1134 1134

LIMA LOCOMOTIVE WORKS INCORPORATED

LIMA, OHIO, U. S. A.

Direct Locomotive CARD INDEX

Class 2-8-2- Dept. ENG. DEPT.

LOUISIANA & ARKANSAS R. R.

RR Co's. CLASS E-4-H-23x32-T-548

	ORDER No.	SHOP NUMBERS	DATE	DRAUGHTSMAN	
2-ENG'S.	1134	7641-42 ROAD NOS 561-562	ORDER REC'D. 4-8-1936	"BAK"	WITH BOOSTER & SYPHONS.
3-ENG'S	1134	7643-45 ROAD NOS 563-564-565.	1936	"BAK"	
			19		
			19		
			19		

— INDEX ISSUED - MAY - 18 - 1936 —

FORM LED. 30

1134 ~ LOUISIANA & ARKANSAS ~ 1134.

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Group No.	TITLE
	Ash-pan and Oil-pan.
	Axles.
	Bell and Ringer.
	Blow-Off Cock—See 26.
	Blower Pipe Elbow—See 63.
	Brakes.
	Dynamo—See 54.
39	Eccentrics, Cranks, Straps and Rods.
40	Engine Truck—Leading.
41	Engine Truck—Trailing.
	Engine Truck Center Pin Cutle—See 47.
68	Radius Rod—See 58.
	Receiver Pipes—See 33.
69	Reverse Lever, Screw and Pneumatic Gears.
70	Reverse Shaft and Reach Rod.
71	Rocker and Box.

Date	PAGE	ITEMS ITEM.	Check
5-19-36	52	11-12-47, 48.	✓
"	50	23. 24. 25, 27, 29, 30	✓
"	50	31, 32. 33. 34. 35. 36	✓
"	24	13	✓
"	52	1-2-4.	✓
"	21	11-12	✓
"	21	32 TO 37 INC.	✓
"	32	2-4-22.-12-17-18	✓
"	32	31-36	✓
"	17	19-22	✓
5/20/36	14	11 TO 24 INC.	✓
"	41	11-19	✓
"	22	31	✓
"	23	37-38	✓
5/21/36	44	54	✓
"	29	23 TO 30 INC.	✓
"	53	43 TO 50 INC.	✓
"	37	4-5-6-7	✓
"	53	37 TO 42 INC	✓
"	36	22-23-24. 34-35-36	✓
"	35	26-27-28	✓
"	35	39 TO 44 INC.	✓
"	36	37-38-39	✓
5/22/36	9	36	✓
"	20	18-27	✓
"	40	60	✓
"	41	1-2.	✓
"	11	43-45-46-58	✓
"	14	1-2-28	✓
"	12	4-10-11-17-36-45-	✓
"	12	46-47-59-60	✓
"	13	1-2-9-10-11-12-13-14	✓
"	13	24-34-41	✓
"	28	39	✓
"	22	48 TO 53 INC.	✓
"	23	40.	✓
"	23	56, 58, 60	✓
"	14	48, 56, 58, 59, 60	✓
"	15	1, 2. 3. 7, 10, 18	✓
"	15	26, 30. 31.	✓
"	47	18-19.	✓
"	40	42.	✓
"	17	31, 32	✓
5/25/36	24	53, 54-40. 41	✓
5/26/36	45	38	✓
"	9	59	✓
"	20	42-43-44-45 RELEASE.	✓
"	42	35-36-37-38	✓
"	42	43-44-45-46	✓
"	42	51-52-53	✓
"	43	1-2-3-4	✓
5/27/36	8	10-11 27	✓
"	24	43	✓
"	25	56	✓
"	6	53	✓
"	10	53	✓
"	11	18-19	✓
5/28/36	32	42-47-49-53	✓
"	31	52. 55.	✓
"	47	8	✓

Date	PAGE	ITEM	Check
5/28/36	42	16.17-19. 24-26	✓
"	42	27	✓
"	40	4, 8, 9.	✓
"	50	44. 46. 47. 49, 50, 55. 59-60	✓
"	51	1-2 3-6, 7, 9. 10. 11 15. 16	✓
"	51	18. 19. 20. 21	✓
"	11	22, 23.	✓
5/28-36	10	11	✓
"	17	37-38-42	✓
"	40	55.	✓
"	41	3. 4, 5, 6. 7. 9	✓
5/29/36	35	1 TO 5 INC	✓
"	35	14 TO 21 - INC.	✓
"	27	39-40-54	✓
"	20	7 8 10. 11-12-13-14-	✓
"	20	16-29	✓
"	28	11	✓
"	8	12-13-19-22	✓
"	25	32	✓
"	10	58 TO 62 INC.	✓
"	11	3 TO 7 INC.	✓
"	10	57	✓
"	21	46 TO 51 - INC	✓
"	21	54-59-60-9	✓
"	22	27	✓
"	6	50, 54-46	✓
"	33	17	✓
6-1-36	12	38	✓
"	13	57-58	✓
"	35	46	✓
"	27	31	✓
"	30	45 TO 50 INC	✓
"	30	53-55-56-57-43-44-51-52	✓
"	24	42	✓
"	25	57	✓
"	31	17-18-19-29-38-39.	✓
"	5	29-31-32-33-34-35	✓
"	5	40-41-42-43-46-47-50	✓
"	5	51-54-55	✓
"	6	6-7-8-9-25-26.	✓
"	5	36-37-38	✓
"	50	28-38	✓
"	25	44-45-46-47.	✓
6/2/36	32	60, 61.	✓
"	17	41	✓
"	11	9, TO 13 INC.	✓
"	43	22-24-27-28-30	✓
"	43	35-40-41-42-43-44,	✓
"	46	49-50	✓
"	9	60	✓
"	10	13-50	✓
"	30	37	✓
6-3-36	8	14-15, 20-21-23-24	✓
6-3-36	33	26 TO 30 INC.	✓
"	30	54	✓
"	6	19	✓
"	49	48-49-50	✓
"	~~53~~	~~23 24~~	
"	8	33, 34. 35.	✓

Date	PAGE	ITEMS Changes.	Check
5-19-36	17	27	✓
"	21	8	✓
"	20	46	✓
5/20/36	24	8-10.	✓
"	24	2-3-4-5.	✓
"	45	1-2	✓
"	40	42	✓
"	45	38, 44. 46. 52 Release Work	✓
"	46	15 Release Work	✓
"	46	48	✓
5/26-36	42	29	✓
5/29-36	25	56	✓
5/29-36	24	43	✓
6/1-36	31	29-39	✓
6-2-36	52	1-2-4	✓
"	31	36	✓
6-4-36	43	22-24,	✓
"	43	40 TO 44 INC.	✓
6-8-36	43	41	✓
"	5	38	✓
"	30	37	✓
6-9-36	42	7-8. ~~Hold up all work~~	✓
"	10	51-55 ~~Hold up all work~~	✓
"	10	17-18	✓
"	46	51	✓
"	53	16-17-19-20-21	✓
6/9/36	37	11-TO 14 INC	✓
"	37	23 TO 28 INC.	✓
6-15-36	6	7	✓
"	17	36	✓
"	8	12-13	✓
"	37	38-42	✓
6-18-36	27	1-TO 17 INC. ~~Hold up all work~~	✓
"	27	21-22 ~~Hold up All Work~~	✓
	42	7-8. Release work as Changed	✓
6-19-36	10	51-55 Release as changed.	✓
"	50	42 Cancelled	✓
6/22/36	20	29	✓
"	17	14-15	✓
"	37	37	✓
6/23-36	54	4	✓
"	27	1-To 11- Release	✓
"	27	12. Release as changed	✓
"	27	13-To 17 Release	✓
"	27	21-22. Release	✓
"	39	27	✓
"	21	54	✓
"	54	1-3-8-9	✓
"	53	58	✓
"	7	49	✓
6/29/36	27	50	✓
7/1/36	41	58	✓
"	44	6	✓
"	13	42- ~~Hold up Machine Work~~	✓
7-2-36	23	45-	✓
7-3-36	13	42-to 45 Inc.	✓
"	21	54	✓
7-6-36	15	60	✓
7-7-36	14	30-33-36-39-42	✓
"	27	18-20	✓

ADDITIONS AND CHANGES

ADDITIONS TO BE MADE IN BLACK INK AND CHANGES IN RED INK

Date	Page	ITEMS	Check
7/30/36	12	48	x ED
"	53	61	x 11
"	20	12	x 11
8/4/36	5	21	x 11
"	15	47-48-49	x 11
"	33	10	x 11
"	40	21	x 11
"	11	24	x 11
8/5/36	31	47	x 11
"	11	32	x 11
8/6/36	33	1-3	x 11
"	11	25	x 11
8/7/36	29	45	x 11
8/10/36	12	12	x 11
8/12/36	31	48	
"	33	2	
"	16	21-22-23	
"	36	45-46-47	

FOR RECORD ONLY.

Copy of List for Run
Order 6/30/37

Date	Page	ITEMS	Check
7-8-36	4	59	ED
"	13	11	11
"	7	17	11
"	19	33-34	11
7-9-36	4	53-54	11
"	7	21	11
7-10-36	21	54	11
7-14-36	52	14	11
7-20-36	30	46,47	11
7-23-36	44	37	11 x
"	53	16-17	11 x
7/27/36	30	55	11 x
7/28/36	14	36-37-38	11 x
7/29/36	33	41	11 x
7/30/36	20	16	11 x
8/4/36	5	27	11 x
8/6/36	8	36	11 x
"	33	10	11 x
8/7/36	7	33	11 x
8/8/36	36	34-35-36	11 x

ADDITIONS AND CHANGES

ADDITIONS TO BE MADE IN BLACK INK AND CHANGES IN RED INK

Date	Page	ITEMS	Check
6/3-36	9	58	x "
"	10	1-4-7	x "
"	33	33, 35	x "
"	4	1	x "
"	4	8 TO 18 INC.	x "
6-4-36	47	24-25	x "
"	25	33-34	x "
"	50	37	x "
"	46	51	x "
"	53	16, 17, 19. 20	x "
"	10	52, 54	x "
"	41	49 TO 56	x "
"	28	6-9-10.	x "
6/5/36	23	45-17	x "
"	53	21	x "
"	10	17-18	x "
"	41	59-60	x "
"	20	17-19	x "
"	41	57. 58	x "
"	44	28 TO 31	x "
"	8	40-41-42	x "
"	9	45-46-47	x "
"	27	56-57	x "
6/8/36.	10	55.	x "
"	10	51	x "
"	42	7-8	x "
"	24	-9. Reluc.	x "
"	32	58-59	x "
"	5	30	x "
"	44	11-TO 16 INC.	x "
6-9-36	48	2 TO 6 INC	x "
6-10-36	37	11 TO 14 INC	x "
"	37	23 TO 28 INC.	x "
"	47	29-30-31-38	x "
"	28	46	x "
"	46	52.	x "
"	53	22-31-32-33-34-35.	x "
6-11-36.	40	26	x "
"	39	59	x "
"	37	52-53	x "
"	12	24	x "
"	37	54-55, 57.58	x "
6-12-36	50	6 TO 15 INC	x "
"	50	17 TO 22 INC.	x "
"	49	53-57-58-60-61.	x "
"	5	17-TO 27-INC.	x "
"	49	52-45-46-47	x "
"	49	31-32-33-34	x "
"	49	54-55-56	x "
6-15-36	53	9	x "
"	41	12-15	x "
"	50	16	x "
"	5	44-58-59-60-61	x "
"	19	38-46-49	x "
"	44	37	x "
"	17	47	x "
"	37	15-16	x "
"	30	26-27-28-29	x "
"	8	44	x "

Date	Page	ITEMS	Check
6-15-36	6	15-16	x "
"	40	11-17-18-19	x "
"	13	59	x "
"	33	15-25-24	x "
6/16-36	40	22	x "
"	30	1 TO 12 INC	x "
"	36	7-8-10-12	x "
"	28	44	x "
"	37	56-59	x "
"	37	37 TO 42- INC.	x "
"	49	51	x "
6/17-36.	10	30	x "
"	28	43-50	x "
"	47	1-2-3-4-13-14-15.	x "
"	27	1 TO 17 INC	x "
"	27	21-22	x "
"	52	41	x "
"	19	50	x "
6/18-36	47	11-12	x "
"	27	52	x "
"	30	58. 59-60	x "
"	10	46-47-48-49	x "
"	28	1-2-3-4	x "
"	27	48-49-50	x "
"	44	5-TO 9 INC	x "
"	27	27	x "
"	52	28-29	x "
"	52	31 TO 38 INC	x "
"	52	10-17-20-44-45-46	x "
"	42	31	x "
"	43	13	x "
6-19-36	39	48	x "
"	46	60-61	x "
"	50	1-2-3-4-39-40-41-42	x "
"	41	37-41	x "
"	25	35-36	x "
"	54	4-5	x "
6-22-36	42	9-10	x "
"	36	1-5-6	x "
"	7	49-50-51	x "
"	28	21-23-24-25-27	x "
"	28	29-31-32-35-36-52	x "
"	28	53-54	x "
"	43	49 TO 55-INC.	x "
"	28	40-41	x "
"	39	17-23-24-25-26-27	x "
"	49	43	x "
"	27	24-25-26.	x "
"	39	29-TO 32 INC.	x "
"	27	18-19-20-28	x "
"	37	46-47	x "
"	29	32	x "
6/24/36	40	32	x "
"	15	44-29-5.	x "
"	7	60-61.	x "
"	33	7-8-9	x "
"	28	55-TO 61-INC.	x "
"	23	12	x "
"	41	21	x "
"	15	6-38	x "

Date	Page	ITEMS	Check
6/24/36	29	17-41-42-43-44	CA x "
"	52	50	" x
6/24/36	14	30 TO 44 INC	" x
"	15	40-41	" x
"	39	4-5.	" x
"	29	-2.-19-21-33	" x
"	8	2	" x
"	54	1-3-8-9	" x
"	37	48-49-30-31-32.	" x
"	53	58	" x
"	38	1-2-3	" x
6/25/36	39	8	" x
"	48	7	" x
"	49	35-36.	" x
"	19	33-34	" x
"	37	34	" x
"	15	51 TO 61-INC.	" x
"	20	24	" x
"	33	13	" x
"	7	35, 38-37-44	" x
6/26/36	13	42-43-44-45-48	" x
"	4	60	" x
"	35	60	" x
6/29/36	8	31, 32.	" x
6/29/36	53	59	" x
6/30/36	28	38	" x
7/1/36	22	45	" x
"	35	59-61-58-50	" x
7-2-36	7	33	" x
"	22	43	" x
7-3-36	38	6-7-8-9-10	" x
"	33	32-36-37-38-39-40	" x
"	33	41-42-43-44-45-46	" x
"	33	47-48-49-50-51-55	" x
"	33	60-61	" x
7-6-36	22	41	" x
"	39	1-2	" x
"	14	16-23	" x
7-7-36	52	22	" x
7-7-36	8	28-29-36-37-38-39	" x
7-8-36	35	30-31-32-33	" x
"	33	59-52-53-54-58	" x
"	34	55-56	" x
"	21	57	" x
"	19	35-36	" x
7-13-36	34	58-59-60-61	" x
7-14-36	32	15	" x
"	40	20	" x
7/16/36	29	32	" x
7/20/36	15	46	" x
"	12	26	" x
7/20/36.	53	26	" x
7/23/36	37	33	" x
"	38	4	" x
7/27/36	24	11-12	" x
7/28/36	33	41	" x
"	27	23	" x
"	28	48	" x
7/29/36	33	32	" x

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 10—ASH PAN								
	1	~~Ash~~ Oil Pan	1-SET	107-A-70	PLATE. MAT ORD IN P.D	—	—	—	—	—
	2	" " Material Bill	1-Set	10-MO-41-B	—	—	—	—	—	—
	3	" " Hopper	—							
	4	" " "	—							
	5	" " Door	—							
	6	" " " Links	—							
	7	" " " Frame								
	8	" " ~~Damper~~ SUPPORTS	1R/1L	102-A-294	—	102-A-294	—	—	—	—
	9	" " " ~~Rigging~~ SUPPORTS	1R/1L	102-B-294	—	102-B-294	—	—	—	—
	10	" " " ~~Handle~~ SUPPORTS	1R/1L	102-A-291	—	102-A-291	—	—	—	—
	11	" " " ~~Crank~~ "	1R/1L	102-B-291	—	102-B-291	—	—	—	—
	12	" " " ~~—~~ "	1	102-C-291	—	102-C-291	—	—	—	—
	13	" " " ~~Hinge~~ "	1	102-A-293	—	102-A-293	—	—	—	—
	14	" " " ~~—~~ "	1	102-B-293	—	102-B-293	—	—	—	—
	15	" " " ~~Hanger~~ "	1	102-A-292	—	102-A-292	—	—	—	—
	16	" " " ~~—~~ "	1R/1L	102-B-292	—	102-B-292	—	—	—	—
	17	" " " ~~Lug~~ "	1R/1L	102-B-290	—	102-B-290	—	—	—	—
	18	" " " ~~—~~ "	1	102-C-290	—	102-C-290	—	—	—	—
	19	" " " Lever	—							
	20	" " " Latch	—							
	21	" " " Rod	—							
	22	" " " "	—							
	23	" " " Shaft	—							
	24	" " " " Bearing	—							
	25	" " Slide	—							
	26	" " " Rigging	—							
	27	" " " Rod	—							
	28	" " " "	—							
	29	" " " Jaw	—							
	30	" " " Frame	—							
	31	" " Operating Shaft	—							
	32	" " " " Arms	—							
	33	" " Shaft Bearing	—							
	34	" " Hand Lever	—							
	35	" " " " Stop	—							
	36	" " Lock Pin	—							
	37	" " Operating Cyl.	—							
	38	" " " " Heads	—							
	39	" " Piston	—							
	40	" " " Rod	—							
	41	" " " Follower	—							
	42	" " " Rings	—							
	43	" " Supports	—							
	44	" " "	—							
	45	" " Swipe Manifold	—							
	46	" " Cinder Box	—							
	47	" " " " Cover	—							
	48	" " Brick Work	—							
	49									
	50									
	51									
	52	**GROUP 11—AXLES**								
	53	Axle, Driving—Main	1	112-~~A~~C-9	ORD. IN P.D ROUGH TURNED	—	—	—	—	—
	54	" " —F. I. & B.	3	112-~~A~~E-10	" "	—	—	—	—	—
	55	" "	—							
	56	" " —Key	—	To Suit	—	—	—	—	—	—
	57	" Engine Truck	1	112-A-12	ORD IN P.D ROUGH TURNED	—	—	—	—	—
	58	" " " —Collar	—							
	59	" Trailing "	1	~~112-A-279~~ ~~112-C-11~~	ORD. IN P.D. ROUGH TURNED	—	—	—	—	—
	60	" Marking	1-SET	112-A-13	—	—	—	—	—	—
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 12—BELL								
	1	Bell	1	122-A-3	—	—	—	—	12-150	—
	2	" Clapper	1	124-K-2	—	12-A-22	—	—	—	—
	3	" " Jaw HINGE	1	"	"	—	—	12-174	—	—
	4	" Stand	1	"	"	—	12-175	—	—	—
	5	" Crank	1	"	"	—	—	12-153	—	—
	6	" Washer	1	"	2 7/8" DIA X 1/4" THICK STEEL	—	—	—	—	—
	7	" Yoke	1	"	—	—	12-159	—	—	—
	8	" " Nut	1	"	—	—	—	—	—	—
	9	" " Shaft L.S.	1	"	STEEL TURNED	—	—	—	—	—
	10	" " Jaw Stem	1	"	—	—	—	—	—	—
	11	" Ringer VILOCO PT# 2064	1	VILOCO.	ORD. IN. P.D	—	—	—	—	—
	12	" " Operating Valve VILOCO PT 2062-A	1	"	" " "	—	—	—	—	—
	13	" " Bracket	—							
	14	" Rope Eye IN CAB	1	3/4" COMERCIAL.	ORD. IN P.D	—	—	—	—	—
	15	" " Thimble (IN CAB FRONT)	1	122 A 4	STEEL	—	—	—	—	—
	16	" " Guide (" " ")	1	"	" "	—	—	—	—	—
	17	" " ~~Roller~~ GUIDE (ON SAND BOX)	1	122-A-77	—	122-A-77	—	—	—	—
	18	" " ~~Pulley~~ " (ON DOME CASING	1	122-A-77	—	122-A-77	—	—	—	—
	19	" ROPE ~~Hanger~~	1 SET	SASH CORD	ORD. IN P.D	—	—	—	—	—
	20	" CHAIN (AT SMOKE BOX ONLY)	1-SET.	#5 ELWELL MACH. TWIST.	" "	—	—	—	—	—
	21	BELL ~~Gong~~ ROPE GUIDE (WELD TO DYNAMO [BRKT)	1	122-A-131	—	122A131	—	—	—	—
	22	BELL ROPE GUIDE (IN CAB)	1	122-A-47	—	—	12-42	—	—	—
	23	" " " BRACKET (" ")	1	"	"	—	12-43	—	—	—
	24	" " " ROLLER (" ")	1	"	" STEEL	—	—	—	—	—
	25	" " " STAPLE (" ")	1	"	"	—	—	—	12-41	—
	26	" " GUIDE (WELD TO SMOKE BOX	1	122-A-131	—	122-A-131	—	—	—	—
	27	" " " THIMBLE GUIDE	2 3/4 2	122-A-4	STEEL STEEL	—	—	—	—	—
	28	**GROUP 13—BOILER**								
	29	Boiler Plan (1ST. 2 BOILERS ONLY)	1	130A75	—	—	—	—	—	—
	30	" ~~Sections~~ (LAST 3 BOILERS ONLY)	1	130A76	—	—	—	—	—	—
	31	" Material Bill	1-SET.	13M0314	ORD. IN P.D.	—	—	—	—	—
	32	" Stay Bill (ALCO. FLEXIBLE)	1-SET	13M0312 (1ST 2 BOILERS) 13M0313 (LAST 3 BOILERS)	ORD. IN P.D	—	—	—	—	—
	33	" Test Pressure, Water		300#						
	34	" " " Steam		260#						
	35	" Working "		240#						
	36	" DOME LINER & 3RD. COURSE SEAM	1-SET	133A55	—	—	—	—	—	—
	37	" 2ND. COURSE SEAM	1-SET.	132A177	—	—	—	—	—	—
	38	" THERMIC SYPHONS. 1ST. 2 BOILERS ONLY.	1-SET.	LOCO. FIRE BOX CO. PT. C-2219	ORD. IN P.D.	—	—	—	—	—
	39	**GROUP 14—BOILER DETAILS**								
	40	Boiler Bracing LIST	—	142A445	—	—	—	—	—	—
	41	" Brace Rod Ends	2	142-B-136	—	142B136	—	—	—	—
	42	" " " "	38	142-E-126	—	142E126	—	—	—	—
	43	" " " "	5	142B126	—	142B126	—	—	—	—
	44	" SMOKE BOX CUTOUTS	1-SET	132A181	—	—	—	—	—	—
	45	" " " "	—							
	46	" " " Lugs	6	142A337	—	142A337	—	—	—	—
	47	" " " "	1	142A372	—	142A372	—	—	—	—
	48	" " " "	—							
	49	" " " "	—							
	50	" " " Jaws	7	142A444	FURNISH BOLTS.	14-H-6	—	—	—	—
	51	" " " "	38	142A346	—	14-D-110	—	—	—	—
	52	" " " "	—							
	53	" " " "	—							
	54	" Throat Brace	6	142A193	—	142A193	—	—	—	—
	55	" " " STAYS.	12	142A193	—	142A193	—	—	—	—
	56	" " " Lug	—							
	57	" " " "	—							
	58	" STAY BOLT ~~Crown Bars~~ LOCATION (FLEX) FOR LAST 3 BOILERS ONLT	1-SET	132B180	ORD. IN P.D.	—	—	—	—	—
	59	" " STA BOLT ~~Roof Irons~~ LOCATION (FLEX) FOR FIRST 2 BOILERS ONLY.	1-SET	132A180	" " "	—	—	—	—	—
	60	" Stay Bolt SCHEDULE FOR LAST 3 BOILERS ONLY.	1-SET	132A178	—	132A178	—	—	—	—
	61	" " " " FOR FIRST 2 BOILERS ONLY.	1-SET	132A179	—	132A179	—	—	—	—

(Group 14 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 14—BOILER DETAILS (Cont.)								
	1	Boiler Radial Stay	—							
	2	" " "	—							
	3	" " " —Buttonhead	—							
	4	" Cross Stay	—							
	5	" " "	—							
	6	" Smoke Box Ring	1	+130-A-75	—	14-B-107	—	—	—	—
	7	" Tube Sheet Ring	1	+142A~~369~~ 446	FURNISH STUDS.	—	—	14-258	—	—
	8	" Fire Box Ring	1	+143A179	—	—	—	14-278	—	—
	9	" " " " Corner S.	1-SET	+142A442	—	—	—	—	—	—
	10	" " " " " B.	—							
	11	Boiler Tubes—Small	—							
	12	" Flues—Large	—							
	13	" Combustion Tubes	—							
	14	" Stoker Flues	—							
	15	" Tube Setting	1-SET	142A17	—	—	—	—	—	—
	16	" Flue "	1-SET	142B421	—	—	—	—	—	—
	17	" Combustion Tube Setting	—							
	18	" Stoker Flue Setting	—							
	19	" Test Plate	1	142-A-384	FURNISH STUD & NUT	—	—	—	14-266	—
	20	"								
	21	"								
	22	" Cylinder Saddle (Mallet Engine)	—							
	23	" Bearing " " "	—							
	24	" Centering Device Saddle	—							
	25	" Waist Sheet ~~Angle or~~ Tee No. 1 (GUIDE YOKE)	2	+142A443	—	—	—	14-277	—	—
	26	" " " — " No. 2	2	142B443	—	—	—	14-277	—	—
	27	" " " " " No. 3	—							
	28	" " " " " No. 4	—							
	29									
	30									
	31									
	32									
	33									
	34									
	35									
	36	**GROUP 15—BOLTS AND NUTS**								
	37									
	38									
	39									
	40									
	41									
	42									
	43									
	44									
	45									
	46	DRIVING BOX CELLAR END PLATE STUDS	16	+152-A-26	FUR. STD KEYS	—	—	—	—	—
	47	**GROUP 16—BOXES, DRIVING**								
	48	Box—Driving, Main FURNISH PATCH BOLTS	2	+163-A-189	HUB BRONZE FACE CAST ON. SHOE & WEDGE FACE BRONZE CAST ON	AAR HARD BRONZE	16-226-H	—	ARCTIC BRONZE #36	—
	49	" —Brass "	2	162-A-3	CAST ORD. IN P.D	—	—	—	16-227	—
	50	" —Cellar " (FRANKLIN)	2	+163-A-191	ORD IN. P.D	—	—	—	—	—
	51	" — " Pin "	2	+163-A-189	—	16-A-1	—	—	—	—
	52	" —Driving (F. I & B) (FURNISH PATCH BOLTS)	6	+163-A-190	HUB FACE BRONZE CAST ON SHOE & WEDGE FACE BRONZE CAST ON	AAR HARD BRONZE.	16-224-H	—	—	—
	53	" —Brass (" ")	6	+162-A-4	CAST ORD. IN P.D	—	—	—	ARCTIC BRONZE #36 16-228	—
	54	" —Cellar (" ") (FRANKLIN)	6	+163-B-191	ORD. IN P.D	—	—	—	—	—
	55	" — " Pin (" ")	6	163-A-190	—	16-A-1	—	—	—	—
	56	" —Driving	—							
	57	" —Brass	—							
	58	" —Cellar	—							
	59	" — " Pin	—							
	60	" —Brass, Plugs MAIN	4	163-A-189	STICK BRASS	—	—	—	—	—
	61	" " " (F.I&B)	12	163-A-190	" "	—	—	—	—	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 16—BOXES, DRIVING (Cont.)								
	1	Box—Brass Plugs	—							
	2	" — " Pressed in Box (Tons)	—							
	3	" —Hub Liner	—							
	4	" — " "	—							
	5	" — " "	—							
	6									
	7									
	8									
	9									
	10									
	11	**GROUP 17—BOXES, TRUCK**								
	12	Box—Engine Truck	2	+173-F-18	BRASS HUB FACE CAST. ON.	—	—	17-344	—	—
	13	" —Cellar, Engine Truck	2	" "	—	—	17-262	—	—	—
	14	" " Bolt " " FURNISH KEY.	4	" "	—	17-A3	—	—	—	—
	15	" —Brass " " BABBITT LINED.	2	×172-A-33	CAST. ORD. IN P.D N. B. M. Co.	—	—	—	ARCTIC BRONZE #36 17-64	—
	16									
	17	Box— Trailing Truck	2	+174-D-8	FUR. MACH. SCREWS. COVER PLATE & PIPE PLUGS	—	—	17-238-D	—	—
	18	" —Cellar " "	2	×172-A-29	—	—	17-237	—	—	—
	19	" —Binder " "	—							
	20	" — " Bolt " "	2	+174-C-8	—	440-S-371	—	—	—	—
	21	" —Brass " " BABBITT LINED	2	+172-B-13	CAST. ORD IN P.D. N.B.M.Co	—	—	—	BRONZE-ARETIC #36 17-65	—
	22	" —Lid " "	2	×172-A-11 -ORDERING +173-E-35.	ORD. IN. PD	—	—	—	—	—
	23	" " Spring " "	2	+173-E-35	" "	—	—	—	—	—
	24	Box— Trailing Truck PED. LINERS.	4	+174-C-8	—	—	—	—	AAR HARD BRONZE 17-339	—
	25	" —~~Collar~~ " " LID PIN	2	+173-E-35	—	To Suit				
	26	" —~~Binder~~ " " COVER	2	+173-B-35	—	—	17-22-A	—	—	—
	27	" — " ~~Bolt~~ " " CELLAR BOLT KEY.	2	152-C-12	ORD. IN P.D	—	—	—	—	—
	28	" —Brass " "	—							
	29	" —Lid " "	—							
	30	" " Spring " "	—							
	31									
	32									
	33	OIL ATOMIZER GUAGE STAND (4 ST. HEAT)	1	182 A 304 ~~182-A-303~~	PLATE MAT. ORD. IN. P.D.	182 A 304 ~~182-A-303~~	—	—	—	—
	34									
	35	AIR GAUGE STAND & BOOSTER GAUGE STAND	1	182-A-301	PLATE. MAT ORD IN P.D 1ST 2-ENG'S ONLY	—	—	—	—	—
	36	**GROUP 18—Brackets**								
	37	Air Gauge Stand (LAST 3 ENG'S ONLY)	1	182-B-301	PLATE. MAT ORD IN P.D	—	—	—	—	—
	38	" " " Bracket	1	182-A-302	—	182-A-302	—	—	—	—
	39	Feed Water Heater Gauge Stand	—							
	40	" " " " " Bracket	—							
	41	Pyrometer Gauge Stand	—							
	42	" " " Bracket	—							
	43	Steam Gauge Stand	—							
	44	" " " Bracket	1	182-C-252	—	182-C-252	—	—	—	—
	45	" " " Plate	—							
	46	Stoker Gauge	—							
	47	" Gauge Stand Bracket	—							
	48	Intercepting Valve Gauge Bracket	—							
	49	BOOSTER SLIP CONTROL VALVE BRACKET	1	TO SUIT E.S	1ST. 2-ENG'S ONLY —	TO SUIT. E.S	—	—	—	—
	50	SANDER VALVE BRACKET	1	TO SUIT E.S	—	TO SUIT. E.S	—	—	—	—
	51	BELL RINGER OPER VALVE BRACKET	1	TO SUIT. E.S	—	TO SUIT E.S	—	—	—	—
	52									
	53	**GROUP 19—BRAKE, OPERATING**								
	54	Brake Valve	—							
	55	" " Body	—							
	56	" " Cap	—							
	57	" " Nut	—							
	58	" " Follower	—							
	59	" " Handle	—							
	60	" " Bracket—Automatic (PEDESTAL)	1	192-A-317	—	192-A-317	—	—	—	—
	61	" " " ~~Instrument~~ FILLER BLOCK (4)	1	712-H-85	—	—	71-69	—	—	—

(Group 19 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 19—BRAKE, OPERATING (Cont.)								
	1	Feed Valve Bracket	—							
	2	Distributing Valve Bracket	1	192-A-318	PLATE. MAT. ORD. IN P.D	192-A-318	—	—	—	—
	3	Control " "	—							
	4									
	5	Brake Relief Valve	—							
	6	" " " Cap	—							
	7	" " " Stem	—							
	8	" " " Spring	—							
	9									
	10	Main Reservoir L.S.	2	192-A-315	ORD. IN P.D	—	—	—	—	—
	11	" " R.S.	1	" "	" "	—	—	—	—	—
	12	" " Supports ~~R.S~~ FRONT R&L	2	193-J-89	—	—	—	19-35-F	—	—
	13	" " " ~~L.S~~ FRONT R&L	2	193-K-89	—	—	—	19-35-F	—	—
	14	" " " (BACK LS (FRONT)	1	193-A-180	—	—	—	19-36-B	—	—
	15	" " " (" LS (BACK)	1	193-B-180	—	—	—	19-36C	—	—
	16	" " "								
	17	" " "								
	18	" " Blocks								
	19	" " Straps R+L FRONT	4	193-J-89	—	19-C-2	—	—	—	—
	20	" " " (BACK LS FRONT	1	193-A-180	—	19-A-3	—	—	—	—
	21	" " " (" LS. BACK	1	193-B-180	—	19-A-3	—	—	—	—
	22	" " " U Bolts R&L FRONT	4	193-J-89	—	19-C-4	—	—	—	—
	23	" " " " " (BACK LS) FRONT	1	193-A-180	—	19-A-4	—	—	—	—
	24	" " " " " (" L.S) BACK	1	193-B-180	—	19-A-4	—	—	—	—
	25	Air Turret								
	26									
	27	Air Pump Bracket	—	CAST INTEGRAL WITH FRONT DECK CASTING			—	—	—	—
	28	AIR PUMP DRIP PAN SUPPORT	2	192-A-316	—	19-N-107				
	29	" " " ~~Brace~~ PAN FLANGE	1/1	192-A-316 / 192-B-316	—	—	—	—	19-239	—
	30	" " " "	—							
	31	" Pump Strainer Support	1-R	192 A 319	MAT. ORD IN P.D.	192 A 319	—	—	—	—
	32	" " " "	1-L	192 A 319	MAT. ORD. IN P.D.	192 A 319	—	—	—	—
	33	Equalizing Reservoir Support	2	192-T-108	FURNISH NUTS	192-T-108	—	—	—	—
	34	" " " BLOCKS	2	192-F-29	WOOD	—	—	—	—	—
	35	" " " BRACKET	~~1~~	~~192-C-300~~	—	~~192-C-300~~	NOT REQ'D.	—	—	—
	36	Air Pump Drip Pan	1R/1L	192-C-316 / 192-B-316	MAT. ORD. IN P.D	—	—	—	—	—
	37	" " " " SUPPORT	2	" "	—	19 K 107	—	—	—	—
	38	" " " " Support	2	" "	—	19 L 107	—	—	—	—
	39	" " " " "	2	" "	—	19 M 107	—	—	—	—
	40	AIR PUMP SHIELD	1R/1L	193-A-181	PLATE. MAT ORD IN P.D	—	—	—	—	—
	41	" " " BRACKET	2	192-F-254	—	192-F-254	—	—	—	—
	42	" " " "	2	192-E-254	—	192-E-254	—	—	—	—
	43	**GROUP 20—BRAKE, FOUNDATION**								
	44	Brake Arrangement (Foundation)	1-SET	A.B Co. PT # 1790	ORD IN P.D	—	—	—	—	—
	45	" Bell Crank	—							
	46	" " " Fulcrum	—							
	47	" Shaft	—							
	48	" " Bearing	—							
	49	" " "	—							
	50	" " Arms	—							
	51	" " Handle	—							
	52	" Cam	—							
	53	" " Sleeve	—							
	54	" Beams	—							
	55	" "	—							
	56	" "	—							
	57	" Equalizer	—							
	58	" "	—							
	59	" "	—							
	60	" Fulcrums	—							
	61	" "								

(Group 20 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 20—BRAKE, FOUNDAT'N (Cont.)								
	1	Brake Hangers								
	2	" "								
	3	" Levers								
	4	" "								
	5	" "								
	6	" Rods								
	7	" "								
	8	" "								
	9	" Adjusting Nuts								
	10	" " "								
	11	" Safety Straps								
	12	" " "								
	13	" Heads								
	14	" "								
	15	" Shoes								
	16	" "								
	17	" " Key								
	18	" " Spring								
	19	"								
	20	" Cylinder								
	21	" " Heads								
	22	" " "								
	23	" " Gland								
	24	" " " Nut								
	25	" " Support								
	26	" Piston								
	27	" " Rod								
	28	" " Follower								
	29	" " Rings								
	30	" Push Rod								
	31									
	32									
	33									
	34									
	35	**GROUP 21—BUMPERS**								
P	36	Bumper—Front (OHIO STEEL FOUNDRY)	1	X213-A-89	CAST ORD IN P.D		—	—	—	—
	37	" Knees	—							
	38	" "	—							
	39	" Brace	—							
	40	" "	—							
	41	" Push Pole Pocket	—							
	42	"								
	43	"								
	44	"								
0	45	" Plate	1R/1L	X212-A-151	PLATE MAT ORD IN P.D		—	—	—	—
0	46	" "	1R/1L	"	"	" "	21-B-31	—	—	—
0	47	" " Support	1R/1L	"	"	—	21-A-39	—	—	—
	48	" Scroll Iron								
	49	Bumper—Back	—							
	50	" Crosstie	—							
	51	" Brackets	—							
	52									
	53									
	54									
	55									
	56									
	57	**GROUP 22—CAB**								
0	58	Cab	1-SET	224-A-13	PLATE MAT. ORD IN P.D		—	—	—	—
0	59	" Material Bill	—	22-MO-56	PLATE MAT. ORD. IN P.D		—	—	—	—
0	60	CAB FRONT	1-SET	223-A-38	MAT. ORD. IN P.D		—	—	—	—
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 23—CAB DETAILS								
P	1	Cab Angle—Roof	1-SET	224-A-13	MAT. ORD IN P.D	—	—	—	—	—
	2	" Tee Iron	—							
	3	" Roof Brace	—							
P	4	" Gutter	2	224-A-13	MAT. ORD IN P.D	—	—	—	—	—
	5	" Corner Iron	—							
	6	" " Bracket	—							
P	7	" Window Frame	1-SET	224-A-13	WOOD	—	—	—	—	—
	8	" " Slide	—							
	9	" " Stop	—							
	10	" " Shield	—							
P	11	" " Sash Fixture (BACK WINDOW)	2	232-B-242	—	—	—	—	23-32	—
	12	" " " "	—							
P	13	" Storm Window Arrangement	IR/IL	PRIME NO. SC. 838-3	ORD. IN P.D	—	—	—	—	—
	14	" " " Frame	—							
	15	" " " Sash	—							
	16	" " " Dog	—							
P	17	" SMOKE WINDOW FRAME	~~2~~ 1	232-A-342	FURNISH GLASS	—	—	23-410	—	—
P	18	" ~~Door Frame~~ " SPRING.	~~2~~ 1	"	3/16" SPRING WIRE	—	—	—	—	—
	19	" " "	—							
	20	" " "	—							
P	21	" " FIXTURE SLIDE ROD	2	232-A-19	½" DIA X 24" LONG	—	—	—	—	—
P	22	" " Fixture ROD BRACKET	4	"	"	—	—	—	23-92	—
P	23	" " " Bracket	2	"	"	—	—	—	23-94	—
P	24	" " " Slide	2	"	"	—	—	—	23-93	—
P	25	" " Clamp	2	"	"	—	—	—	23-91	—
P	26	" " " Rod	2	"	"	23-A-9	—	—	—	—
P	27	" " ~~Slide~~ " EYE BOLT	2	"	"	23-A-10	—	—	—	—
	28	" " Fulcrum	—							
	29	" " Handle	—							
P	30	CAB SIDE VENTILATORS. PRIME	IR/IL	232-A-773	ORD. IN P.D PRIME	—	—	—	—	—
P	31	Cab Ventilator—Centre	1	233A 5	MAT. ORD IN P.D	—	—	—	—	—
P	32	" " Rigging	1-SET	"	" FURNISH PINS. BOLTS COTTERS ETC	—	—	—	—	—
P	33	" " Shaft	2	"	" 1" DIA X 15½" LONG	—	—	—	—	—
P	34	" " Arms	4	"	"	23-A-15	—	—	—	—
P	35	" " ~~Rod~~ LATCH	1	"	"	23-A-16	—	—	—	—
P	36	" " Handle	1	"	"	23-A-11	—	—	—	—
P	37	" " " Washer	1	"	" 2" DIA X ¼" THICK	—	—	—	—	—
P	38	" " Latch LIFTER	1	"	"	23A17	—	—	—	—
P	39	" " " Fulcrum	1	"	"	—	23-95	—	—	—
P	40	" " ~~Thumb Screw~~ SHAFT BEARING	4	"	"	—	23-96	—	—	—
P	41	" " Sides	2	232-M-25	MAT. ORD IN P.D	—	—	—	—	—
P	42	" " Angle Sides	2	"	" " "	23-M-114	—	—	—	—
P	43	" " " Ends	2	"	" "	23-R-20	—	—	—	—
P	44	" " Handles	2	"	"	23-A-19	—	—	—	—
P	45	" " Bars (REINFORCING)	4	"	"	⅜" X ¾" X 24½" LONG	—	—	—	—
P	46	" Bracket (1ST-2-ENG'S ONLY)	1-SET	233-A-299	PLATE. MAT. ORD IN P.D	—	—	—	—	—
P	47	" " Angle (" " ")	1-SET	"	" MAT. ORD. IN P.D	—	—	—	—	—
P	48	" ~~Brace~~ BRACKET (LAST 3-ENG'S)	1-SET	233-B-299	PLATE. MAT. ORD IN P.D	—	—	—	—	—
P	49	" " ~~Stay~~ ANGLE (" 3- ")	1-SET	"	" MAT. ORD IN P.D	—	—	—	—	—
P	50	" Saddle	IR/IL	223-A-38	MAT. ORD IN P.D	23-M-25	—	—	—	—
P	51	" Firing Deck	1	232-~~A~~B-772	PLATE. MAT. ORD IN P.D	—	—	—	—	—
P	52	" Apron (ROUGHENED IN SHOP)	1	232-A-771	PLATE MAT ORD. IN P.D	—	—	—	—	—
P	53	" " Hinge	4	232-A-16	—	—	—	23-87	—	—
P	54	" " Link	2	232-A-771	—	23-C-8	—	—	—	—
P	55	" FIRING DECK SUPPORT	1	232-B-413	MAT. ORD IN P.D	—	—	—	—	—
P	56	" Gangway Chain	—							
P	57	" Arm Rest	IR/IL	232-F-23	COVERING & MOSS ORD IN P.D WOOD.	—	—	—	—	—
P	58	" Seat (Engineer)	1	232A-22	WOOD	—	—	—	—	—
P	59	" " Cushion	1	"	ORD IN P.D	—	—	—	—	—
P	60	" " ~~Post~~ HASP 4"	1	"	COMERCIAL ORD IN P.D	—	—	—	—	—
P	61	" " Hinge 5" STRAP	2	"	"	—	—	—	—	—
P	62	" " SEAT BRACE	1	"	PLATE. MAT. ORD IN P.D.	23-A-14	—	—	—	—

(Group 23 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 23—CAB DETAILS (Cont.)								
	1	Cab Seat Rod	—							
	2	" " " Spring	—							
	3	" " (Fireman)	1	232-A-22	WOOD	—	—	—	—	—
	4	" " Cushion	1	"	" ORD IN P.D	—	—	—	—	—
	5	" " ~~Post~~ HASP 4"	1	"	" ORD. IN P.D COMERCIAL	—	—	—	—	—
	6	" " Hinge 5" STRAP	2	"	" " "	—	—	—	—	—
	7	" " ~~Rod~~ SEAT BRACE	1	"	" PLATE ORD IN PD	23-A-14	—	—	—	—
	8	" " Spring	—							
	9	" " (Brakeman) (COMPLETE)	1-SET	232-B-26	UPHOLSTERED WOOD	—	—	—	—	—
	10	" " Cushion	1	"	" "	—	—	—	—	—
	11	" " Post	1	"	" —	23-A-13	—	—	—	—
	12	" " " Fulcrum	1	"	" —	23-A-12	—	—	—	—
	13	" " Hinge	2	"	" 6" STRAP HINGES. COMERCIAL ORD. IN P.D.		—	—	—	—
	14	" " Spring	—							
	15	" Clothes Box	—							
	16	" " " Hinge	—							
	17	" " " Hasp	—							
	18	" Inspection Frame—Large MONTHLY-BOILER	1	232-A-30	COMPLETE WITH GLASS ORD. IN P.D	—	—	—	—	—
	19	" " " —Small	1	232-A-29	" "	—	—	—	—	—
	20	" " " —Location	—							
	21	" Train Order Hook	—							
	22	" Curtain—Back	1	232-A-770	ORD. IN P.D	—	—	—	—	—
	23	" " ~~End~~ CLIP —Back	2	232-A-374	—	232-A-374	—	—	—	—
	24	" " ROLLER ~~Hooks~~	1	232-A-770	1 3/4" DIA. YELLOW PINE - 76" LONG. - MAKE IN LIMA LOCO. SHOPS.					
	25	" " SCREW ~~Eye Bolts~~ HOOKS	2	"	" COMMERCIAL-TO SUIT		—	—	—	—
	26	" " Side	—							
	27	" " Rod, Side	—							
	28	" " Anchor Rod	—							
	29	" " "S" Hooks	—							
	30	" " Eye Bolts	—							
	31	" Awning	—							
	32	" INSPECTION FRAME - LARGE ANNUAL + AIR.	2	232-A-30	COMPLETE WITH GLASS MADE IN LIMA LOCO SHOPS.		—	—	—	—
	33									
	34									
	35									
	36									
	37									
	38									
	39									
	40									
	41									
	42	**GROUP 26—COCKS AND VALVES**								
	43	Angle Valve AIR PUMP TURRET	1	CRANE 1½"	ORD. IN P.D FUR. WITH BRAKE EQUIPMENT	—	—	—	—	—
	44	" " Cap	—							
	45	AIR PUMP ~~Stem~~ STEAM VALVE (R)	1	CRANE-1¼" GLOBE No 389-E	ORD IN P.D	—	—	—	—	—
	46	" " ~~Gland~~ " " (L)	1	" " "	" " "	—	—	—	—	—
	47	" " Nut	—							
	48	" " Handle	—							
	49									
	50									
	51	Ash Pan Valve	—							
	52	" " " Cap	—							
	53	" " " Stem	—							
	54	" " " Gland	—							
	55	" " " Nut	—							
	56	" " " Handle	—							
	57									
	58	Bell Ringer Valve (FUR. WITH RINGER)	1	VILOCO	ORD. IN P.D	—	—	—	—	—
	59									
	60									
	61									

(Group 26 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont,)								
	1	Booster Drain Cock	—							
	2	" Throttle Valve	—							
	3	" Valve	—							
P	4	BOOSTER VALVE	1	CRANE # 389-E 3/4" GLOBE	ORD. IN P.D	—	—	—	—	—
	5									
	6									
	7									
	8									
	9									
P	10	Blower Valve OKADEE 1¼" A&SD. TYPE	1	OKADEE #1606 QUICK OPENING	ORD IN P.D	—	—	—	—	—
P	11	" " ~~Cap~~ LINE	1	CRANE GLOBE 1¼"	" " "	—	—	—	—	—
P	12	" " ~~Stem~~ ROD JAW	1	552 A 4/12	JAWS ARE MADE SCHEDULE PRICE ONLY	—	—	—	—	—
	13	" " Gland	—							
	14	" " Nut	—							
	15	" " Handle	—							
	16									
O	17	Blow Off Cock	2	2" JOHNSTONE	ORD IN P.D	—	—	—	—	—
	18	" " " Cap	—							
	19	" " " Plug	—							
	20	" " " Nut	—							
	21	" " " Washer	—							
	22	" " " Handle	—							
	23	" " " Joint Ring	—							
P	24	" " " Extension	2	282-~~B~~C-162	STEEL	—	—	—	~~28-98A~~	—
	25	" " " "								
O	26	CONT. BLOW-DOWN VALVE	1	CRANE GLOBE-½"	ORD IN P.D.	for Extension see page 15 Item 46	—	—	—	—
	27	Blow Off Valve	—							
	28	" " " Cap	—							
	29	" " " Stem	—							
	30	" " " Gland	—							
	31	" " " Nut	—							
	32	" " " Handle	—							
	33									
	34	Cab Heater Valve	—							
	35									
O	36	CYLINDER RELIEF VALVE	2	¾" GLOBE CRANE-389-E	ORD IN P.D	—	—	—	—	—
	37									
O	38	Coal Sprinkler Valve	1	CRANE # 1823-P	ORD. IN P.D	—	—	—	—	—
	39	" " " Cap								
	40	" " " Stem								
	41	" " " Gland								
	42	" " " Nut								
	43	" " " Handle								
	44									
O	45	Cylinder Cock ~~Body~~ PRIME # 557-DUPLEX	2	PRIME STEAM OPERATED	ORD IN. P.D	—	—	—	—	—
O	46	" " ~~Shank~~ OPERATING VALVE TURRET	1	¾" CRANE SPECIAL GLOBE	" "	—	—	—	—	—
O	47	" " ~~Valve~~ " " LINE	1	¾" CRANE GLOBE #389-E	ORD IN P.D	—	—	—	—	—
O	48	" " ~~Nipple~~ OPERATING VALVE NAME PLATE	1	2¾" DIA. BRASS PLATE	STAMPED CYL. COCK.	—	—	—	—	—
	49	Port Cock	—							
	50	" " Shank	—							
	51	" " Valve	—							
	52									
	53	Drip Valve	—							
	54	" " Cap	—							
	55	" " Stem	—							
	56	" " Gland	—							
	57	" " Nut	—							
	58	" " Handle	—							
B	59	DRAIN VALVE - WATER COLUMN	1	1" GLOBE CRANE 389-E	ORD IN P.D	—	—	—	—	—
	60	" " WATER GLASS	2	⅜" GLOBE EDNA	ORD. IN PD FUR. WITH WATER COLUMN	—	—	—	—	—
	61									

(Group 26 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
	1	Dynamo Valve TURRET	1	CRANE ½" ANGLE	ORD IN P.D					
	2	" " ~~Cap~~ LINE	1	CRANE ½ GLOBE #389-E.	ORD IN P.D					
	3	" " Stem	—							
	4	" " Gland	—							
	5	" " Nut	—							
	6	" " Handle	—							
	7									
	8	Feed Water Heater Valve								
	9	OIL BURNER STEAM VALVE	1	1¼" ANGLE CRANE	ORD IN PD					
	10	" " CONTROL TO OIL TANK HEATER	1	¾" GLOBE "	#389-E " "					
	11	" " " " ENG HEATER	1	~~3/4~~ ½" " "	#389-E " "					
	12	" " " FOR BLOW BACK	1	½" " "	#389-E " "					
	13	" " " TO AUTOMIZER	1	¾ " "	#389-E " "					
	14	" " CHECK VALVE	1	½" CRANE SWING CHECK	" "					
	15									
	16									
	17									
	18	Grate Shaker Valve	—							
	19	" " " Cap	—							
	20	" " " Stem	—							
	21	" " " Gland	—							
	22	" " " Nut	—							
	23	" " " Handle	—							
	24	INJECTOR STEAM VALVE TURRET	2	2" ANGLE CRANE	ORD. IN. P.D					
	25	Inj. Starting Valve BALANCED LEVER	2	EDNA	ORD IN P.D					
	26	" " " Cap	—							
	27	" " " Stem	—							
	28	" " " Gland	—							
	29	" " " Nut	—							
	30	" " " Handle	—							
	31	" " " Extension	—							
	32	" " " Flange	—							
	33									
	34	Lubricator Valve (1ST 2 ENGS ONLY) BOOSTER LUB. STEAM-	1	½" SPECIAL GLOBE CRANE	ORD IN. P.D					
	35	" " Cap	—							
	36	" " Stem	—							
	37	" " Gland	—							
	38	" " Nut	—							
	39	" " Handle	—							
	40	" " Extension	—							
	41	MECHANICAL LUBRICATOR HEATER VALVE TURRET	1	⅜" GLOBE CRANE #389-E-	ORD IN P.D					
	42	Oil ~~Cock~~ BODY	1	~~823-E-25~~ 823-A-51					82-390	
	43	" " ~~Cap~~ WASHER	1	" "					82-392	
	44	" " Plug	1	" "					82-391	
	45	" " Nut	2	" "					STICK	
	46	" " Washer	—							
	47	" " Handle	1	602-B-60		602-B-60				
	48									
	49	Power Reverse Angle Valve	—							
	50	" " " " Cap	—							
	51	" " " " Stem	—							
	52	" " " " Gland	—							
	53	" " " " Nut	—							
	54	" " " " Handle	—							
	55									
	56	Power Reverse Cut Out Cock	—							
	57	POWER REVERSE CHECK VALVES	2	CRANE ~~3/4~~ ½" -No 366-E-	ORD IN P.D					
	58	" " DRAIN VALVE	1	BARCO ½" AUTOMATIC	" "					
	59	" " AIR LINE VALVE	1	¾" GLOBE CRANE	" "					
	60									
	61									

(Group 26 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 26—COCKS & VALVES (Cont.)								
	1	Power Reverse Globe Valve LINE	1	3/4" GLOBE CRANE #389-E	ORD. IN P.D	—	—	—	—	—
	2	" " ~~ANGLE~~ VALVE TURRET	1	3/4" ANGLE CRANE	ORD IN P.D	—	—	—	—	—
	3	" " " " Stem	—							
	4	" " " " Gland	—							
	5	" " " " Nut	—							
	6	" " " " Handle	—							
	7									
	8	Power Reverse 3-Way Cock	—							
	9	" " " " Bracket	—							
	10									
	11	Steam Gauge Cock	1	262-A-316	—	—	—	—	STICK	—
	12	" " " ~~Cap~~ NUT	1	"	"	—	—	—	STICK	—
	13	" " " Plug	1	"	"	—	—	—	26-469	—
	14	" " " Nut SWIVEL	1	"	"	—	—	—	BRAZ. METAL	—
	15	" " " Washer	2	"	"	—	—	—	—	—
	16	" " " ~~Handle~~ EXTENSION	1	262-C-132 ~~262-A-297~~	STEEL	—	—	—	—	—
	17	" " " SPRING	1	262-A-316	—	—	—	—	—	—
	18	Test Gauge Cock	1	262-A-316	—	—	—	—	STICK	—
	19	" " " Cap	1	262-B-316	—	—	—	—	STICK	—
	20	" " " Plug	1	262-A-316	—	—	—	—	26-469	—
	21	" " " ~~Nut~~ CAP RING	1	262-B-316	FUR. CHAIN	—	—	—	—	—
	22	" " " Washer	2	262-A-316	—	—	—	—	—	—
	23	" " " ~~Handle~~ EXTENSION	1	262-D-297	STEEL	—	—	—	—	—
	24	" " " SPRING	1	262-A-316	—	—	—	—	—	—
	25	Water Column Drain Valve	—	PAGE 12 - ITEM 59	—	—	—	—	—	—
	26	" Gauge " "	—	PAGE - 12 - " 60	—	—	—	—	—	—
	27									
	28	STEAM HEAT VALVE (TURRET)	1	1 1/2" SPECIAL GLOBE CRANE	ORD IN P.D	—	—	—	—	—
	29	" " Cock To Gauge	1	262 A 316	See Card.					
	30	Universal Joint BODY - (DYNAMO)	2	262-A-163	—	—	—	—	26-278	—
	31	" " LINK - (")	1	"	" FURNISH RIVETS	—	—	—	STICK	—
	32	" " ROD (")	1	"	" 1/2" DIA. ROD	LENGTH TO SUIT E.S	—	—	—	—
	33	" " BODY (AIR PUMP)	2	262-C-163	—	—	—	—	26-254	—
	34	" " LINK (")	1	"	" FURNISH RIVETS	—	—	—	STICK	—
	35	" " ROD (")	1	"	" 3/4" DIA ROD	LENGTH TO SUIT E.S	—	—	—	—
	36	" " BODY (MASTER TURRET)	4	262-C-163	—	—	—	—	26-254	—
	37	" " LINK (")	2	"	" FURNISH RIVETS	—	—	—	STICK	—
	38	" " ROD (")	2	"	" 3/4" DIA ROD	LENGTH TO SUIT E.S	—	—	—	—
	39	" " BODY (OIL BURNER)	2	262-A-163	—	—	—	—	26-278	—
	40	" " LINK (")	1	"	" FURNISH RIVETS	—	—	—	STICK	—
	41	" " ROD (")	1	"	" 1/2" DIA ROD	LENGTH TO SUIT E.S	—	—	—	—
	42	" " BODY (LUBRICATOR FOR BOOSTER)	2	262-A-163	(1ST 2 ENGS ONLY)	—	—	—	26-278	—
	43	" " LINK (")	1	"	" (" ") FURNISH RIVETS	LENGTH TO SUIT E.S	—	—	—	—
	44	" " ROD (")	1	"	" (" ") 1/2" DIA ROD.	LENGTH TO SUIT E.S.	—	—	—	—
	45									
	46									
	47	**GROUP 27—COCKS AND VALVES**								
	48	Gauge Cock {ORD. IN P.D. ON PRIME AND APPLIED TO COLUMN BY EDNA BRASS CO}	3	PRIME.	ORD. IN P.D	—	—	—	—	—
	49	" " Valve	—							
	50	" " Cap	—							
	51	" " Stem	—							
	52	" " Gland	—							
	53	" " Nut	—							
	54	" " Handle	—							
	55	" " Extension	—							
	56	" " Dripper	1	FURNISHED WITH COLUMN BY EDNA.	ORD IN. P.D	—	—	—	—	—
	57									
	58	Water Column TYPE "E" EDNA.	1	EDNA-PT # LL-22	ORD. IN P.D	—	—	—	—	—
	59	" " Support		Page - 15 ITEM - 5.						
	60	" " Bottom Extension	1	EDNA. PT # LL-22	ORD. IN P.D (Had to be cut off approx 1")	—	—	—	—	—
	61	" " " " Sleeve	1	" " " "	" MACHINE LENGTH OF SLEEVE TO SUIT BOILER VARIATIONS					

(Group 27 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 27—COCKS & VALVES (Cont.)								
	1	Water Column Top Extension	1	EDNA # LL-22	ORD IN P.D	—	—	—	—	—
	2	" " " " Sleeve	1	"	"	—	—	—	—	—
	3	" " Extension Sleeve Nuts	2	"	"	—	—	—	—	—
	4	" " Plug	—							
	5	WATER COLUMN BRACKET	1	272-A-297	—	272-A-297	—	—	—	—
	6	" " BOSS R.S.	1	272-D-162	STEEL	—	—	—	—	—
	7	WATER GAUGE R.S. MOUNTED ON COLUMN.	1	EDNA TYPE-M EDNA PT. LL-22	ORD ON P.D					
	8	Water Gauge Guard	—							
	9	" " " Slip Joint	—							
	10	" " Upper Fitting MOUNTED ON COLUMN COMPLETE	1	EDNA PT-LL-22	ORD IN P.D	—	—	—	—	—
	11	" " " " Cap	—							
	12	" " " " Valve	—							
	13	" " " " Stem	—							
	14	" " " " Gland	—							
	15	" " " " Nut	—							
	16	" " " " Washer	—							
	17	" " " " Handle	—							
	18	" " Lower Fitting MOUNTED ON COLUMN COMPLETE	1	EDNA-PT. LL-22	ORD. IN P.D	—	—	—	—	—
	19	" " " " Cap	—							
	20	" " " " Valve	—							
	21	" " " " Stem	—							
	22	" " " " Gland	—							
	23	" " " " Nut	—							
	24	" " " " Washer	—							
	25	" " " " Handle	—							
	26	" " GAUGE ~~Glass~~ L.S. EDNA TYPE-M	1	EDNA PT # A-1171-F	ORD. IN P.D	made new extension (bottom) 1 3/8 long.	—	—	—	—
	27	" " Guard	—							
	28	" " " Glass	—							
	29	" " BRACKET L.S	1	272-A-296	—	272-A-296	—	—	—	—
	30	" " GAUGE Cock L.S. TOP	1	COMPLETE WITH CONNECTIONS & UNIVERSAL JOINT & HANDLE. EDNA PT-A-1171-F	ORD. IN P.D	—	—	—	—	—
	31	" " " ~~Valve~~ BOTTOM-COMPLETE	1	EDNA PT-A-1171-F	ORD IN. P.D	—	—	—	—	—
	32	" " " Cap	—							
	33	" " " Stem	—							
	34	" " " Gland	—							
	35	" " " Nut	—							
	36	" " " Handle	—							
	37	" " " Extension	—							
	38	WATER GUAGE BOSS. L.S.	1	272-D-162	STEEL	—	—	—	—	—
	39									
	40	UNIVERSAL JOINT. (L.H. WATER GUAGE)	1	EDNA PT-A-1171-F.	ORD. IN P.D FOR. WITH WATER GUAGE	—	—	—	—	—
	41	" " " ROD	1	"	"	"	—	—	—	—
	42									
	43									
	44	Valve Extension Handle Guide	1	272-A-298	—	272-A-298	—	—	—	—
	45									
	46	CONTINUOUS BLOW-DOWN VALVE EXTENSION	1	262-B-250	(IN CYL. NECK) STICK BRASS	—	—	—	—	—
	47	UNIVERSAL JOINT. BODY (INJ. START. VALVE)	2	262-B-163	—	—	—	—	26-254	—
	48	" " LINK (" " ")	2	"	FURNISH RIVETS	—	—	—	—	—
	49	" " ROD (" " ")	2	"	5/8 DIA. ROD	LENGTH TO SUIT ERECT. SH.	—	—	—	—
	50	**GROUP 28—COCK RIGGING**								
	51	Blow-off Cock Rigging	1R/1L	283-A-56	—	—	—	—	—	—
	52	" " " Arm	2	282-A-236	—	282-A-236	—	—	—	—
	53	" " " ~~Crank~~ " FULCRUM	2	282-B-236	—	282-B-236	—	—	—	—
	54	" " " ~~Handle~~ " PIN	2	282-C-236	STEEL	—	—	—	—	—
	55	" " " Lever	2	282-D-236	—	282-D-236	—	—	—	—
	56	" " " ~~Rod~~ " PIN	2	282-C-236	STEEL	—	—	—	—	—
	57	" " " ~~Shaft~~ ARM PIN	2	282-C-236	"	—	—	—	—	—
	58	" " " ~~Hanger~~ FULCRUM PIN	2	282-E-236	"	—	—	—	—	—
	59	" " " ~~Yoke~~ ROD	2	283-A-56	—	28-B-61	—	—	—	—
	60	" " " ~~Stop~~ " HANDLE	2	~~282-A-172~~ 732-C-4	—	—	—	—	28-105 73-72	—
	61	" " " ~~End~~ " SUPPORT	2	TO SUIT ES	—	TO SUIT ES	—	—	—	—

(Group 28 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 28—COCK RIGGING (Cont.)								
	1									
	2									
	3	Cylinder Cock Rigging								
	4	" " Arm								
	5	" " "								
	6	" " Lever								
	7	" " " Fulcrum								
	8	" " Rod								
	9	" " " Supports								
	10	" " Shaft								
	11	" " " Hangers								
	12	" " " Bearing								
	13	" " Slide Bar								
	14	" " " " Connection								
	15	" " Treadle								
	16	" " Operating Cylinder								
	17	" " " " Support								
	18									
	19									
	20									
	21	BLOWER OPERATING LEVER ARRGT	1 SET	282-B-238	—	—	—	—	—	—
	22	" " "	1	282-A-238	—	282-A-238	—	—	—	—
	23	" " " FULCRUM	1	282-A-239	—	282-A-239	—	—	—	—
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31									
	32									
	33	Main Reservoir Drain Cock Rigging	—							
	34	" " " " " Handle	—							
	35	" " " " " Support	—							
	36									
	37									
	38									
	39	Oil Cock Rigging	1 Set	X X X						
	40	" " Arms								
	41	" " Lever								
	42	" " Rod								
	43	" " Shaft								
	44	" " " Hanger								
	45									
	46									
	47									
	48									
	49	**GROUP 29—CRANK PINS**								
	50	Crank Pin—Main	2	292-A-231	MAT. ORD IN P.D	292-A-231	—	—	—	—
	51	" " —F.	2	292-A-232	MAT. ORD IN P.D	292-A-232	—	—	—	—
	52	" " —Int.	2	292-B-233	" "	292-B-233	—	—	—	—
	53	" " —Back	2	292-A-233	" "	292-A-233	—	—	—	—
	54	" " NUTS INTER	2	292-B-233	—	3 7/8" HEX ACROSS FLATS X 1 1/2" THICK FIN. SIZES	—	—	—	—
	55	" " Collars—Main	—							
	56	" " " —F. (FURNISH BOLTS &ETC)	2	292-A-232	—	29-A-5	—	—	—	—
	57	" " " —Int.	2	292-B-233	PLATE	1/2" X 7 3/4" DIA FIN SIZES	—	—	—	—
	58	" " " —B.	2	292-A-233	PLATE	1/2" X 7 3/4" " " "	—	—	—	—
	59	" " Nuts BACK	2	292-A-233	—	3 7/8" HEX ACROSS FLATS X 1 1/2" THICK FIN SIZES	—	—	—	—
	60	Pressed Into Wheels (Tons)	—	LIMA-STD	—	—	—	—	—	—
	61	Crank Pin Marking	1-SET	292-A-6	—	—	—	—	—	—

(Group 29 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 29—CRANK PINS (Cont.)								
	1									
	2									
	3	**GROUP 30—CROSSHEAD**								
	4	Crosshead—Body	1R/1L	303-A-97	—	—	—	30-64-H	—	—
	5	" Wrist Pin	2	302-A-233	MAT. ORD. IN P.D	30-A-3	—	—	—	—
	6	" " " Washer	2	"	" —	30-A-2	—	—	—	—
	7	" " " ~~Bearing~~ WASHER	2	"	" PLATE - 3/8" X 5 1/4" DIA. FIN. SIZES	—	—	—	—	—
	8	" " " Grease Plugs	2	"	" STEEL	—	—	—	—	—
	9	" " " Nuts FURNISH COTTER.	2	"	" STEEL	3 7/8" HEX. ACROSS FLATS X 1 1/4" THICK FIN. SIZES	—	—	—	—
	10	" Key	2	303-A-97	CARBON VANADIUM MAT. ORD IN P.D	30-A-1	—	—	—	—
	11	" Plate	—							
	12	" Arm	—							
	13	" " Bushing	—							
	14	" Shoe—Top (BABBITT LINED)	2	302-A-~~232~~ 234	CAST ORD IN P.D	—	30-65	—	—	—
	15	" " —Bottom (" ")	2	" "	—	—	30-65	—	—	—
	16	" Wrist Pin Marking								
	17	" " " LINERS	4	303-A-97	—	—	—	—	BRONZE 30-350	—
	18									
	19	**GROUP 31—CYLINDER** (PAIRED)	2	319-A-4	—	—	31-295	—	—	—
	20									
	21									
	22	Cylinder Bushing	2	319-A-4	—	—	HIGH GRADE CAST IRON 31-296	—	—	—
	23									
	24									
	25									
	26									
	27	CYLINDER HEAD CLEARANCE DIAGRAM	—	324-~~A~~ B-28	—	—	—	—	—	—
	28	**GROUP 32—CYLINDER DETAILS**								
	29	Cylinder Head—Front	2	322-B-369	—	—	—	32-635-A	—	—
	30	" " —Back	2	323-A-167	—	—	—	32-653	—	—
	31	" " Cover—Front	2	322-B-394	PLATE MAT ORD IN P.D	—	—	—	—	—
	32	" " " —Back	2	322-A-394	" "	—	—	—	—	—
	33	Casing Clamp								
	34	" Nut								
	35	Steam Chest Head—Front	2	323-A-157	—	—	—	32-634	—	—
	36	" " " —Back R.S. ONLY	~~2~~ 1	324-A-20	—	—	—	32-633	—	—
	37	" " " Cover—Front	2	322-A-372	PLATE. MAT ORD IN P.D	—	—	—	—	—
	38	" " " " —Back L.S.	1	322-A-372	" "	—	—	—	—	—
	39	" " " " Clips								
	40	" " Bushing	4	322-A-393	—	—	HIGH GRADE CAST IRON 32-652	—	—	—
	41	" " HEAD COVER R S (BACK)	1	322-A-395	PLATE MAT ORD. IN P.D	—	—	—	—	—
	42	" " " " CLAMPS. (LS)	2	322-A-372	1/4" X 1 1/2" X 3 1/2"	—	—	—	—	—
	43									
	44	Valve Rod Crosshead Guide	4	322-B-288	—	—	32-557	—	—	—
	45	" " " " Wearing Plate SHOE	4	" "	—	—	32-558	—	—	—
	46	" " " " " LINERS	8	" "	1/16" PLATE X 2 55/64" X 16 1/4" FIN SIZES	—	—	—	—	—
	47	STEAM CHEST HEAD BACK (L.S ONLY)	1	324-B-20	—	—	—	32-633	—	—
	48	Steam Chest	—							
	49	" " Caps	—							
	50	" " Balance Plates	—							
	51	" " Covers	—							
	52	" " Casings	—							
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 33—CYL. COMPOUND AT'CHM'TS								
	1	Intercepting Valve Arrangement								
	2	" " Chamber								
	3	" " " Cap								
	4	" " " "								
	5	" " " " Pack'g Ring								
	6	" " Snap Rings								
	7	" " " "								
	8	" " Bushing								
	9	" " Stem								
	10	" " " Nut								
	11	" " Spring								
	12	" " Lock Stud								
	13	" " Disc								
	14	" " Chamber Joint Ring								
	15	" " Pipe Flange								
	16	" " Bracket								
	17	" " Dash Pot								
	18	" " " " Piston								
	19	" " " " Head								
	20									
	21									
	22									
	23									
	24									
	25	Receiver Pipe Arrangements								
	26	" "								
	27	" " Sleeve								
	28	" " Flange								
	29	" " Ball Joint								
	30	" " " " Packing Flange								
	31	" " " " " Rings								
	32	" " " " " "								
	33	" " Straps								
	34	" " Supports								
	35	" "Y" Pipe								
	36	" " " Casing								
	37	" " " "								
	38	" " " "								
	39	" " " "								
	40	" " " "								
	41	" " " Joint Ring								
	42									
	43									
	44	Reducing Valve								
	45									
	46									
	47									
	48									
	49	Separate Exhaust Valve								
	50									
	51									
	52									
	53									
	54	Starting Valve								
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 34—CYL. BY-PASS & RELIEF VALVE								
	1	By-Pass Valve	—							
	2	" " Casing	—							
	3	" " Cap	—							
	4	" " Nut	—							
	5	" " Stem	—							
	6	" " Spring	—							
	7	" " Piston	—							
	8	" " Ring	—							
	9									
	10	Cyl. Head Relief Valve	—							
	11	" " " " Cap	—							
	12	" " " " Nut	—							
	13	" " " " Stem	—							
	14	" " " " Casing	—							
	15	" " " " Spring	—							
	16									
	17	Cyl. Relief Valve	—							
	18	" " " Cap	—							
	19	" " " Nut	—							
	20	" " " Stem	—							
	21	" " " Spring	—							
	22									
	23	St. Chest Relief Valve	—							
	24	" " " " Cap	—							
	25	" " " " Nut	—							
	26	" " " " Stem	—							
	27	" " " " Spring	—							
	28	" " Vacuum Valve	—							
	29	" " " " Cap	—							
	30	" " " " Nut	—							
	31	" " " " Stem	—							
	32	" " " " Spring	—							
	33	RELIEF VALVE PORT COVER (125—	1	342-B-26	STEEL PLATE	(1ST-2 ENG ONLY)	—	—	—	
	34	" " " " JOINT RING	1	792-N-93	(1ST-2 ENG. ONLY.)	79-714	—	—	—	
	35	" " " COVER	2	342-B-26	STEEL PLATE	(LAST 3 ENGS)	—	—	—	
	36	" " " " JOINT RING.	2	792-N-93	(LAST 3 ENGS)	79-714	—	—	—	
	37	**GROUP 35—DIE WORK**								
	38	Flanging Dies	1-SET	352A321	—	—	—	—	—	—
	39									
	40									
	41									
	42									
	43									
	44									
	45	**GROUP 36—DOME**								
	46	Dome .	1	362A227	—	—	—	—	—	—
	47	" Flange	—							
	48	" Ring	—							
	49	" Cap	1	362D9	—	—	—	—	—	—
	50	" Casing	1	362-A-226	PLATE, MAT ORD. IN P.D	—	—	—	—	—
	51	" Shut Off Valve	—							
	52	" " " " Cap	—							
	53	" " " " Casing	—							
	54	" " " " Stuffiing Box	—							
	55	" " " " Packing	—							
	56	" " " " Nut	—							
	57	" " " " Gland	—							
	58	" " " " Stem	—							
	59	" " " " Universal Joint	—							
	60	" " " " Handle	—							
	61									

(Group 36 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 36—DOME (Cont.)								
	1									
	2									
	3									
	4	Auxiliary Dome	—							
	5	" " Cap	—							
	6	" " Casing	—							
	7	UNCOUPLING SHAFT LIFTER	1	623-A-35	—	37-B-81	—	—	—	—
	8	UNCOUPLING SHAFT RS	1	623-A-35	—	37-C-80	—	—	—	—
	9	**GROUP 37—DRAWGEAR**								
	10	Coupler—Front	1	A.S.F.CO PT 07364-D	ORD. IN P.D	—	—	—	—	—
	11	" Uncoupling Shaft LS	1	623-A-35	—	37-C-79	—	—	—	—
	12	" " " Bracket	4	372-M-111	FURNISH ½" BOLTS WITH UNIT GRIP NUTS.	—	—	37-433	—	—
	13	" " " " FILLERS	4	372-L-111	—	—	—	37-434	—	—
	14	" " " ~~Handle~~ ARM	1	623-A-35	—	86-B-98	—	—	—	—
	15	" Drawhead (POCKET)	1	A.S.FCO PT# 05314-C	ORD. IN P.D	—	—	—	—	—
	16	~~Buffer—Front~~ ~~UNCOUPLING SHAFT BRACKET, COTTER~~	~~4~~	~~372-F-111~~	ORD IN P.D	—	—	—	—	—
	17	Drawbar—Between Eng. & Tender	1	372-A-419	MAT. ORD IN P.D	372-A-419	—	—	—	—
	18	" Pin	1	372-B-9	MAT. ORD IN P.D	372-B-9	—	—	—	—
	19	Safety Bar	1	372-A-420	" "	372-A-420	—	—	—	—
	20	" " Pin	—							
	21	" Chain	—							
	22	" " Clevis	—							
	23	" " Pin	—							
	24	Radial Buffer FRANKLIN E-2	1-SET	374-A-6	ORD. IN P.D	—	—	—	—	—
	25									
	26	Chafing Plate	—							
	27	DRAW PIN KEPPER SUPPORT	1	372-P-10	MAT. ORD IN P.D	372-P-10	—	—	—	—
	28									
	29	UNCOUPLING SHAFT ARM LIFTER	1	N.MCAT CO. PT 13182-PAT Y-628 372-A-421	ORD. IN P.D	—	—	—	—	—
	30									
	31									
	32									
	33									
	34									
	35	**GROUP 39—ECCENTRIC**								
	36	Eccentric Crank	1R/1L	392A-175	MAT. ORD IN P.D	39-A-124	—	—	—	—
	37	" " Bolt	4	" "	—	—	—	—	—	—
	38	" " Key	2	392-B-175	—	—	—	—	—	—
	39	" " Location	—	SEE ERECT. CARD	—	—	—	—	—	—
	40	" " Pin FURNISH NUTS & DOWELS	2	392-C-175	MAT. ORD IN P.D	39-A-6				
	41	" " " Washer	2	" "	PLATE - ⅜" x 4¼" DIA. FIN. SIZES		—	—	—	—
	42	" Rod	1R/1L	392-A-176	MAT. ORD IN P.D	39-A-123	—	—	—	—
	43	" " Stub	—	" "	—	—	—	—	—	—
	44	" " Brass	2	392-A-5	—	—	—	—	AAR. HARD BRONZE 39-250	—
	45	" " Pin	2	392-A-176	STEEL CASEHARDENED	—	—	—	—	—
	46	" Large Half	—							
	47	" Small "	—							
	48	" Strap Large Half	—							
	49	" " Small "	—							
	50	" " Liner	—							
	51	ECCENTRIC CRANK MARKING	1-SET	392-A-7	—	—	—	—	—	—
	52									
	53									
	54									
	55									
	56	**GROUP 40—ENG. TRUCK, LEADING**								
	57	Engine Truck Arrangement (COMMONWEALTH)	1-SET.	GEN. STEEL CAST CO PT. 14523-P-LINE #2	ORD IN P.D	—	—	—	—	—
	58	" " Frame	1	G.S. CAST. CO PT. 14626 M-LINE-1	" "	—	—	—	—	—
	59	" " " ~~Brace~~ WEARING PLATE	2	" "	" "					
	60	" " " "	—							
	61	" " " Crosstie	—							

(Group 40 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 40—ENG. TRUCK LEADING (Cont.)								
	1	Engine Truck Pedestal LINER	4	G.S.C.CO PT# C-17540-P. LINE 33	ORD. IN. P.D FUR. AND APPLIED BY G.S CAST. CO			—	—	—
	2	" " " THIMBLE	2	402-A-147	—	—	—	40-242	—	—
	3	" " " Cap	—							
	4	" " " " Brace	—							
	5	" " Saddle	—							
	6	" " Equalizer (Over Box)	—							
	7	" " BOLSTER	1	G.S CAST. CO. PT 11362-L	ORD. IN. P.D	—	—	—	—	—
	8	" " Bolster STOP	4	402-~~D~~H-71	—	402-~~D~~H-71	—	—	—	—
	9	" " Center ~~Plate~~ PIN GUIDE BUSHING	1	472-A-473	—	—	—	47-578	—	—
	10	" " " " Washer	—							
	11	" " " Pin	1	402-A-233	—	—	—	40-301	—	—
	12	" " " " Bolt (KING BOLT)	1	402-A-70	FURNISH KEY	402-A-70	—	—	—	—
	13	" " " " " Key	—							
	14	" " Check Chain	—							
	15	" " " " Bolt	—							
	16	" " " " Clevis	—							
	17	" " Swing Frame	—							
	18	" " " Link	4	G S CAST. Co PT 11362-L	ORD IN P.D		—	—	—	—
	19	" " " " Pins	4	" "	" "		—	—	—	—
	20	" " " " "	—							
	21	" " " Pin Key	—							
	22	" " " Rocker	2	G.S. CAST. CO PT 11361-L	ORD. IN P.D		—	—	—	—
	23	" " ~~Connecting Links~~ SEAT UPPER	2	G.S. CAST CO PT 11362-L	ORD. IN P.D		—	—	—	—
	24	" " " " ~~Pins~~ SEAT LOWER	2	G.S. CAST CO. PT 14626-M.	" "		—	—	—	—
	25	" " Spring Hanger	—							
	26	" " " "	—							
	27	" " " " Gib	—							
	28	" " " Seat	2	G.S. CAST CO PT 11205-A	ORD. IN P.D		—	—	—	—
	29	" " " "	—							
	30	" "	—							
	31	" " Safety Strap	—							
	32	" " Radius Bar	1-SET	402-A-356	—		—	—	—	—
	33	" " " " Brace	IR/1L	" "	MAT. ORD IN P.D	40-C-31	—	—	—	—
	34	" " " " End	1	402-A-4	—	—	—	40-33	—	—
	35	" " " " Pin	1	402-A-12	—	40-A-14	—	—	—	—
	36	" " " " END BUSHING	1	402-A-356	STEEL	—	—	—	—	—
	37	" " " " SIDES (SIDES PAIRED)	1	" "	MAT. ORD IN P.D (WELD TO END)	40-F-30	—	—	—	—
	38									
	39									
	40									
	41									
	42									
	43									
	44	**GROUP 41—ENG. TRUCK TRAILING**								
	45	Trailing Truck Arrangement	—	SEE ERECT CARD						
	46	" " ~~Rocker~~ CONSTANT RESISTANCE DEVICE	2-SET	G.S CAST. Co. 23100-C	ORD IN. P.D		—	—	—	—
	47	" " ~~Center Plate~~ " " ROCKER PLATE	2	G. S CAST. CO PT 22487-E	" "		—	—	—	—
	48	" " " " ~~Washer~~ " ROCKER	2	G SCAST. CO PT 12638-B.	" "		—	—	—	—
	49	" " " ~~Pin~~ " " " SEAT	2	" "	" "		—	—	—	—
	50	" " " " ~~" Bolt~~ " " BEARING	2	" "	" "		—	—	—	—
	51	" " " " ~~" " Key~~ " PLATE	1R/1L	" "	" "		—	—	—	—
	52	" " Equalizer (Over Box)	—							
	53	" " " " "	—							
	54	" " Frame	1	G. S CAST. CO PT ~~SE~~ 51292-~~B~~-C	ORD. IN P.D		—	—	—	—
	55	" " " ~~Brace~~	—							
	56	" " ~~PEDESTAL LINER~~	—	FOR FUTURE-HAVE PEDESTAL LINERS MADE BY C.S.Co ACCORDING TO CO. 412-B-166						
	57	" " PEDESTAL ~~Crosstie~~ LINER SHIM	4	412-B-166	MAT. ORD. IN P.D.		—	—	—	—
	58	" " Pedestal	—							
	59	" " " Cap	2	G.S CAST. CO PT 12925-H	ORD IN P.D		—	—	—	—
	60	" " " " ~~Brace~~ BOLTS	8	G.S CAST. CO PT. # 1790 GX No # 2 LINE-1	ORD IN P.D		—	—	—	—
	61	" " Saddle	—							

(Group 47 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 41—ENG. TRAILING TRUCK (Cont.)								
	1	Engine Truck Swing Frame	—							
	2	" " " Link	—							
	3	" " " " Pin	—							
	4	" " " " "	—							
	5	" " " Pin Key	—							
	6	" " Guide Frame	—							
	7	" " Spring Hanger	—							
	8	" " " "	—							
	9	" " " " Gib	—							
	10	" " " " "	—							
	11	" " " Seat	—							
	12	" " " "	—							
	13	" " " Yoke	—							
	14	" " " " Hinge	—							
	15	" " " " Seat	—							
	16	" " " " Pin	—							
	17	" " " " Case Cap	—							
	18	" " Chafing Plate	—							
	19	" " Safety Strap	—							
	20	" " Check Chain	—							
	21	" " " " Bolt	—							
	22	" " " " Clevis	—							
	23	" " Center Spring	—							
	24	" " " " Case	—							
	25	" " " " Rod	—							
	26	" " " " Seat	—							
	27	" " Radius Bar WEARING PLATE	1	GSCAST CO PT 23780-34. ORD. IN P.D			—	—	—	—
	28	" " " " Brace	—							
	29	" " " " Clamp	—							
	30	" " " " End	—							
	31	" " " " Pin FURNISH NUT WASHER & COTTER.	1	412-C-66	—	412-C-66	—	—	—	—
	32	" " " " " Keeper	—							
	33									
	34									
	35									
	36									
	37									
	38									
	39									
	40	**GR. 42—ERECTING CARDS, Elevations**								
	41	Elevation	1-SET	420A94	—	—	—	—	—	—
	42									
	43	Bachkead Arrangement	1-SET	428A70	—	—	—	—	—	—
	44	**GR. 43—ERECTING CARDS, Cross Sec.**								
	45	Cross Section	—	430-A-85	—	—	—	—	—	—
	46									
	47	**GROUP 44—EXHAUST PIPE**								
	48	Exhaust Pipe	1	443-A-57	—	—	44-737	—	—	—
	49	" Nozzle	1	442-A-159	—	—	44-738	—	—	—
	50	" Tips BRAZED TO NOZZLE.	4	" "	STEEL	—	—	—	—	—
	51	" PIPE GASKET	1	442-A-53	1/32" J.M. MOBILENE. ORD IN P.D	—	—	—	—	—
	52	BLOWER RING	1	442-A-160	1¼" PIPE FURNISH PIPE CAP	—	—	—	—	—
	53	Blower Ring CLAMPS.	4	" "	—	44-A-11	—	—	—	—
	54	Exhaust Pipe Ball	—							
	55	" " Flange	—							
	56	" " Gland	—							
	57	" " Rings	—							
	58	" " Seat	—							
	59	" " Sleeve	—							
	60	" " Spring	—							
	61									

Bored to 3¼" dia by P.R. per Ed. Kemp letter 9-6-36 JMS.

(Group 44 Continued

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 44—EXHAUST PIPE (Cont.)								
	1	Separate Exhaust Pipe	—							
	2	" " " Elbow	—							
	3	" " " Flange	—							
	4	" " " Support	—							
	5	" " " Joint Ring	—							
	6	" " " Casing	—							
	7									
	8									
	9									
	10									
	11	**GROUP 45—FIREDOOR & FIREBRICK**								
	12	Fire Brick Arrangement (OIL PAN)	1-SET	AM. ARCH CO. 13188-A.	ORD. IN P.D	—	—	—	—	—
	13	Arch Tube								
	14	" " Covers								
	15	" " Setting								
	16	" Box Cross Carrier								
	17	OIL PAN FIRE BRICK	1-SET	AM. ARCH CO. 13188-	ORD. IN P.D	—	—	—	—	—
	18									
	19									
	20	Fire Door Arrangement	1-SET	453-B-9	FURNISH STUDS & CHAIN	—	—	—	—	—
	21	" " Frame	1	"	"	—	—	45-112	—	—
	22	" " ~~Hinges~~	1	"	"	—	—	45-55	—	—
	23	" " ~~Lines~~ HINGE PIN	1	"	"	—	380-S-118	—	—	—
	24	" " ~~Latch~~	—							
	25	" " ~~Guide~~ THUMB NUT	1	453-B-9	—	—	—	45-99	—	—
	26	" " ~~Catch~~ PEEP HOLE COVER SPRING	1	"	"	ORD. IN P.D	—	—	—	—
	27	" " Register	—							
	28	" " Handle	—							
	29	" " Lever	—							
	30	" " ~~Shaft~~ PEEP HOLE COVER	1	453-B-9	3/16" STEEL PLATE	—	—	—	—	—
	31	" " ~~Slide~~ DEFLECTOR	1	"	"	—	—	45-96	—	—
	32	" " Damper	1	"	"	—	—	45-53	—	—
	33	" " " ~~Details~~ HINGE	1	"	"	—	380-S-40	—	—	—
	34	" " Shield	—							
	35	" " " Support	—							
	36	" " " Angle	—							
	37	" " STUD—(PEEP HOLE COVER)	1	453-B-9	—	—	—	—	—	—
	38	" " " (DAMPER)	1	"	"	—	—	—	—	—
	39	Smoke Consumer	—							
	40	FIREDOOR STUD	1	453-B-9	—	45-A-34	—	—	—	—
	41	**GROUP 46—FRAMES**								
	42	Frame—Pattern & Slotting	IR/1L	466-A-180	—	—	—	46-183-B 46-184-B	—	—
	43	" —Drilling	IR/1L	466-A-181	—	—	—	—	—	—
	44	"	—							
	45	" Cradle	1	G.S. CAST. CO. 51291-~~8~~C	CAST. ORD IN P.D	—	—	—	—	—
	46	" Rail	—							
	47	" Splice	—							
	48	" Pedestal Binder No. 1 FRONT	2	462-A-185	MAT. ORD IN P.D	462-A-185	—	—	—	—
	49	" " " No. 2 INT	2	462-A-185	" "	462-A-185	—	—	—	—
	50	" " " No. 3 MAIN	2	462-B-185	" "	462-B-185	—	—	—	—
	51	" " " No. 4 BACK	2	462-A-185	" "	462-A-185	—	—	—	—
	52	" " " No. 5	—							
	53	" " " Bolt	—							
	54	" " " "	—							
	55	"								
	56	Pedestal Shoe—Main F.I.& B.	8	462-A-186	—	—	—	46-185-K	—	—
	57	" "	—							
	58	" Wedge—Main F.I.& B.	8	462-B-186	—	—	—	46-487	—	—
	59	" "	—							
	60	" " Bolt—Main F.I.& B.	8	462-C-186	—	462-C-186	—	—	—	—
	61	" " "	—							

(Group 46 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 46—FRAMES (Cont.)								
	1									
	2	FRAME FILLING EQAUZER PIN (F)	2	472-A-~~15~~ 600	—	47-A 6	—	—	—	—
	3	" " " " (B)	2	472-~~B~~B ~~15~~ 600	—	47-A-6	—	—	—	—
	4	" " " " KEEPER	2	472-A-~~15~~ 600	PLATE	—	—	—	—	—
	5	" " " " "	2	472-~~B~~B-~~15~~ 600	PLATE	—	—	—	—	—
	6									
	7	**GROUP 47—FRAME DETAILS**								
	8	Frame Filling—Front	IR/IL	472-A-~~15~~ 600	FURNISH BUSHINGS	—	—	47-80	—	—
	9	" " —~~Int~~ BRAKE HANGER	IR/IL	472-B-7	—	—	—	47-81	—	—
	10	" " —Back	IR/IL	472-~~B~~-15 B-600	FURNISH BUSHINGS.	—	—	47-80	—	—
	11	" Wearing Plate (For Spr. Hanger)	2	466-A-181	PLATE MAT. ORD. IN P.D.	47-A-4	—	—	—	—
	12	~~Foot~~ ~~Plate~~ " (" " ")	6	466-A-181	PLATE MAT ORD. IN P.D.	47-A-5	—	—	—	—
	13	Front Deck Casting	1	477-A-26	—	—	—	47-639	—	—
	14	Center Pin Guide	—							
	15	Back Head Brace	—							
	16	Expansion "	—							
	17	GUIDE YOKE CROSSTIE	1	474-H-61	—	—	—	47-79	—	—
	18									
	19									
	20									
	21									
	22									
	23	Ash Pan Crosstie	—							
	24	Brace Crosstie (AT PEDESTALS)	2	472-A-5	—	—	—	47-78	—	—
	25	" "	—							
	26	Center Pin Crosstie	—							
	27	Cylinder "	—							
	28	Furnace "	—							
	29	" "	—							
	30	Grate "	—							
	31	" "	—							
	32	Pedestal "	—							
	33	" "	—							
	34	" "	—							
	35	Radius Bar "	—							
	36	" " " Clamp	—							
	37	Waist Sheet "X-TIE.	1	473-L-3	—	—	—	47-77	—	—
	38	" " "								
	39	" " "								
	40	" " BACK	1	472-A-602	PLATE MAT ORD IN P.D	—	—	—	—	—
	41	" " " SUPPORT ANGLE	1	472-A-601	—	—	—	47-640	—	—
	42	MOTION BEARER WAIST SHEET (LAST 3 ENG'S ONLY)	IR/IL	472-B-603	PLATE MAT ORD. IN P.D	—	—	—	—	—
	43	MOTION BEARER WAIST SHEET	IR/IL	472-A-603	PLATE MAT ORD IN P.D (1ST 2 ENG'S ONLY)	—	—	—	—	—
	44	Furnace Bearer	—							
	45	" " Brace	—							
	46	" " Clamp	—							
	47	" " Filling	—							
	48	" " Knee	—							
	49	" " Link	—							
	50	" " Plate	—							
	51	" " Pad	—							
	52	" " "	—							
	53	" " Sheet—Front	1	472-A-605	PLATE MAT ORD IN P.D	—	—	—	—	—
	54	" " " —Back	1	472-A-604	" "	—	—	—	—	—
	55	BRAKE FULCRUM CROSSTIE	1	474-A-1	—	—	—	47-83	—	—
	56	" " " SHAFT BLOCK.	2	" "	—	47-84	—	—	—	—
	57	" " " RAD. BAR PLATE.	1	" "	PLATE MAT. ORD. IN P.D	—	—	—	—	—
	58									
	59									
	60									
	61									

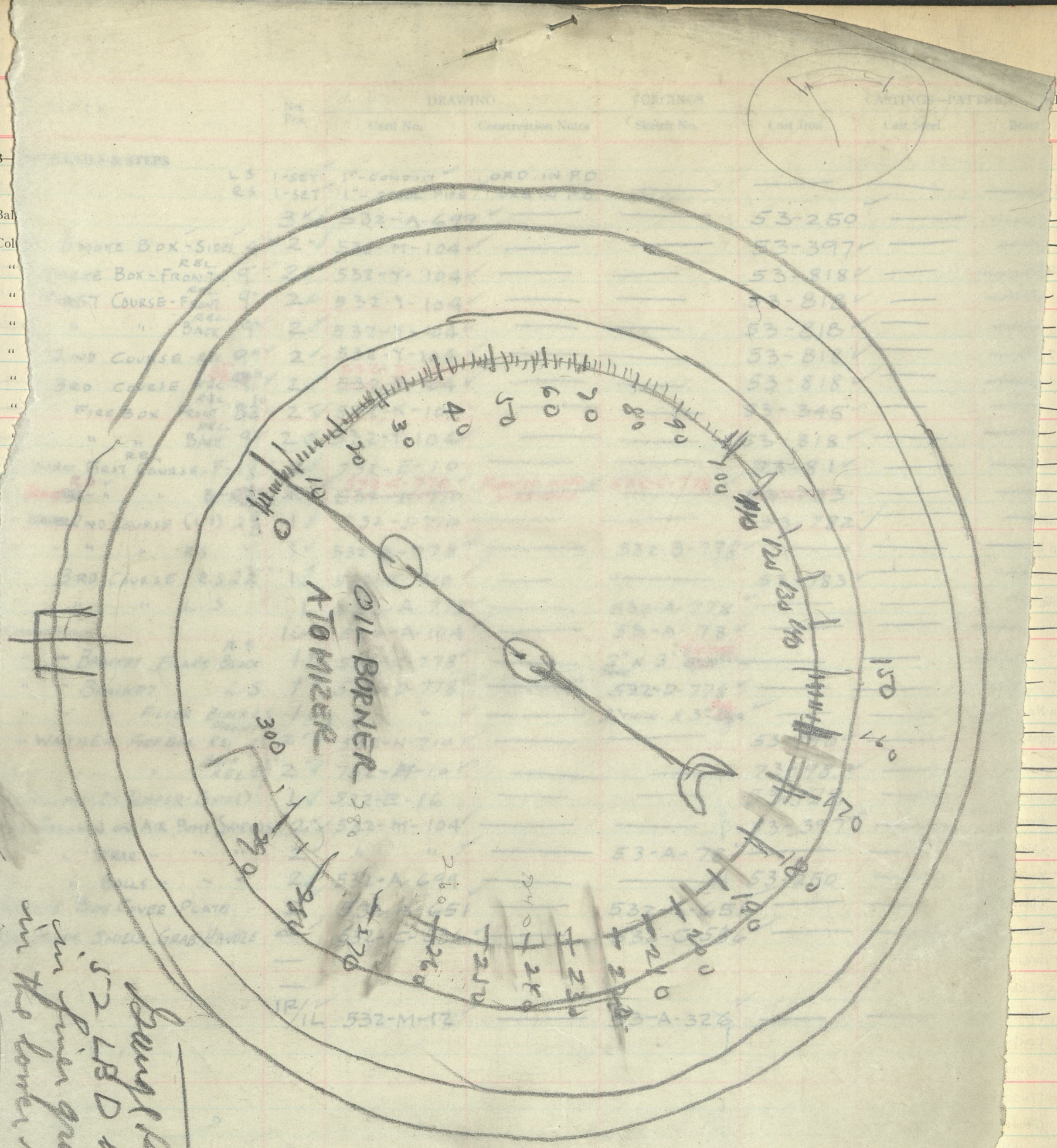
(Group 47 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 47—FRAME DETAILS (Cont.)								
	1	Centering Device Arrangement	—							
	2	" " Body	—							
	3	" " Top Bearing	—							
	4	" " Shoe	—							
	5	" " Rod	—							
	6	" " " Stand	—							
	7	" " Spring Seat	—							
	8	" " Clamp	—							
	9	" " End Plates	—							
	10									
	11	Hinge Casting—L. P.	—							
	12	" " Bushing	—							
	13	" " Pin	—							
	14	" " " Keeper	—							
	15	" " —H. P.	—							
	16	" " Bushing	—							
	17	" " Pin	—							
	18									
	19									
	20									
	21									
	22									
	23									
	24									
	25									
	26									
	27									
	28									
	29									
	30									
	31	**GR. 49—GAUGES, T'MPLATES & JIGS**								
	32	STANDARD FIXTURE LIST	1 SET	492-A-1104	—	—	—	—	—	—
	33	GAUGES	"	492-A-1106	—	—	—	—	—	—
	34	LAYOUT TEMPLATES	"	"	—	—	—	—	—	—
	35	FORGING TEMPLATES	"	492-A-1105	—	—	—	—	—	—
	36	DRILLING JIGS	"	492-A-1107	—	—	—	—	—	—
	37									
	38									
	39									
	40									
	41									
	42									
	43	**GROUP 50—GUIDES**								
	44	Guide—Top	2	503-A-148	MAT. ORD. IN P.D	50-A-87	—	—	—	—
	45	" —Bottom	2	"	"	50-A-87	—	—	—	—
	46	" Liner FRONT	2	"	PLATE-$\frac{1}{8}$"×4$\frac{1}{2}$"×5$\frac{63}{64}$" FIN. SIZES	—	—	—	—	—
	47	" " BACK	2	"	PLATE-$\frac{1}{8}$"×5$\frac{63}{64}$"×8$\frac{1}{2}$" FIN. SIZES	—	—	—	—	—
	48	" Yoke	1	502-A-190	MAT. ORD. IN P.D UNIVERSAL MILL	502-A-190	—	—	—	—
	49	" " Bracket	—							
	50	" " End	1R	503-A-147	—	—	—	—	50-195-B	—
	51	" " "	1L	503-A-147	—	—	—	—	50-195-B	—
	52	" Filling	—							
	53	" Knee	—							
	54	" Block	—							
	55	" "	—							
	56	" Yoke Sheet (1ST-2-ENG'S ONLY)	1R/1L	502-A-191	PLATE MAT ORD IN PD	—	—	—	—	—
	57	" ~~Cover~~ " (LAST 3 ENG'S ONLY)	1R/1L	502-B-191	" "	—	—	—	—	—
	58									
	59									
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 51—GRATE ARRANGEMENTS								
	1	Grate Arrangement	—							
	2									
	3									
	4	**GROUP 52—GRATE DETAILS**								
	5	Grate Bar	—							
	6	" "	—							
	7	" "	—							
	8	" "	—							
	9	Dead Grate	—							
	10	" "	—							
	11	Grate Center Rail—Front	—							
	12	" " " —Back	—							
	13	" Side Rail—R.	—							
	14	" " " —L.	—							
	15	" Drop Plate	—							
	16	" " "	—							
	17	" " " Arm	—							
	18	" " " Crank	—							
	19	" " " Handle	—							
	20	" " " Lever	—							
	21	" " " Lock Pin	—							
	22	" " " Rod	—							
	23	" " " Shaft	—							
	24	" " " Support	—							
	25	" Shaft	—							
	26	" " Bearing	—							
	27	" " "	—							
	28	" Support	—							
	29	" "	—							
	30	" "	—							
	31	" Lock Pin	—							
	32	" Lever Catch	—							
	33	" " Cover	—							
	34	Rocking Bar Arm	—							
	35	" Grate Bar Connection	—							
	36	" " " "	—							
	37	" " " "	—							
	38	" " " "	—							
	39	" " " "	—							
	40	" " Handle	—							
	41	" " Hanger	—							
	42	" " Lever—Hand	—							
	43	" " " —Power	—							
	44									
	45	Grate Shaker Arrangement	—							
	46	" " Cylinder	—							
	47	" " " Support	—							
	48									
	49									
	50									
	51									
	52									
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

Check	Item												
		GROUP 53—											
	1	Hand Rail											
	2	" " Bal											
	3	" " Col											
	4	" " "											
	5	" " "											
	6	" " "											
	7	" " "											
	8	" " "											
	9	" " "											
	10	" " "											
	11	" "											
	12	" "											
	13	" "											
	14	" "											
	15	" "											
	16	" "											
	17	Hand Rail											
	18	" "											
	19	" "											
	20	" "											
	21	" "											
	22	" "											
	23	HAND R											
	24	HAND											
	25	"											
	26	"											
	27	Handles											
	28	"											
	29	"											
	30	"											
	31	Cab Ha											
	32												
	33												
	34												
	35												
	36	Steps											
	37	Bell St											
	38	"											
	39	Bump											
	40	"											
	41	Bumper S											
	42	" " Brace											
	43	Cab Step	—										
	44	" " Brace	—										
	45	Cylinder Step	—										
	46	" " Bracket	—										
	47	Deck Step	—										
	48	Dynoma Step LS	1	532-A-779	BRACKET STYLE #3	—	—	53-232	—	—	—		
	49	~~Engine~~ " Step SUPPORT. L.S	1	"	"	—	53-A-329	—	—	—	—		
	50	" " ~~Brace~~ " FILLER BLOCK 2½"	#1	~~732-M-10~~ 712-C-209		—	—	~~73-98~~ 71-63	—	—	—		
	51	Guide Step	—										
	52	Headlight Step (ON SMOKE BOX FRONT)	1	533-L-4		—	—	53-173	—	—	—		
	53	" "	—										
	54	Pilot Step	2	623-A-35	PLATE. MAT ORD IN P.D	—	53-A-9	—	—	—	—		
	55	" "	—										
	56	Running Board Step	2	532-A-777	PLATE. MAT ORD. IN P.D	—	—	—	—	—	—		
	57	" " "	2	"	"	"	53-A-327	—	—	—	—		
	58	" " " Brace	—										
	59	" " " "	—										
	60												
	61												

(Group 53 Continued)



Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 53—HAND RAILS & STEPS								
	1	Hand Rail	LS 1-SET RS 1-SET	1"-CONDUIT 1"-STEEL PIPE	ORD. IN P.D. ORD IN P.D					
	2	" " Balls	3	532-A-699			53-250			
	3	" " Column SMOKE BOX-SIDES 4"	2	532-M-104			53-397			
	4	" " " SMOKE BOX-FRONT R&L 9"	2	532-Y-104			53-818			
	5	" " " FIRST COURSE-FRONT R&L 9"	2	532-Y-104			53-818			
	6	" " " " " BACK R&L 9"	2	532-Y-104			53-818			
	7	" " " 2ND COURSE-R&L 9"	2	532-Y-104			53-818			
	8	" " " 3RD COURSE R&L ~~9"~~ 8½"	2	~~532-Y-104~~ 532-X-104			53-818			
	9	" " " FIRE BOX FRONT R&L 8¼"	2	532-K-104			53-345			
	10	" " " " " BACK R&L 9"	2	532-Y-104			53-818			
	11	" " " Washer FIRST COURSE-F-R&L 1 7/16"	2	732-E-10			73-81			
	12	" " " BRACKET RS ~~R&L~~ " " B-~~2~~ 4"	1	~~532-K-770~~ 532-C-778	FURNISH LOOSE WASHERS.	532-C-778	~~53-783~~			
	13	" " " WASHER 2ND COURSE (L.S) 2 5/8"	1	532-J-710			53-782			
	14	" " " " " " RS	1	532-B-778		532-B-778				
	15	" " " 3RD COURSE. R.S 2¾"	1	532-K-710			53-783			
	16	" " " " " L.S.	1	532-A-778		532-A-778				
	17	Hand Rail Column Straps	16	532-A-104		53-A-78				
	18	" " " BRACKET FILLER BLOCK R.S.	1	532-C-778		2" x 3" SQUARE 2" THICK.				
	19	" " " " BRACKET L.S	1	532-D-778	FURNISH LOOSE WASHERS	532-D-778				
	20	" " " " " FILLER BLOCK L.S	1	" "		2" THICK. x 3" SQ.				
	21	" " " WASHER. FIREBOX. FRONT R&L 2½"	2	532-H-710			53-790			
	22	" " " " " " BACK R&L 2⅜"	2	732-M-10			73-98			
	23	HAND RAIL COLUMN (ON BUMPER-CENTER)	1	532-E-16			53-128			
	24	HAND RAIL COLUMN ON AIR PUMP SHIELDS	2	532-M-104			53-397			
	25	" " " STRAP " " "	2	" "		53-A-78				
	26	" " " BALLS " " "	2	532-A-699			53-250			
	27	Handles SMOKE BOX COVER PLATE.	2	532-A-651		532-A-651				
	28	" AIR PUMP SHIELD GRAB HANDLE	2	532-C-536		532-C-536				
	29	"								
	30	"								
	31	Cab Handle	1R/1L	532-M-12		53-A-326				
	32									
	33									
	34									
	35									
	36	Steps								
	37	Bell Step								
	38	" " Brace								
	39	Bumper Step—Front	1R/1L	532-C-10	PLATE. MAT ORD IN P.D.					
	40	" " Brace	2	" "		53-A-5				
	41	Bumper Step—Back								
	42	" " Brace								
	43	Cab Step								
	44	" " Brace								
	45	Cylinder Step								
	46	" " Bracket								
	47	Deck Step								
	48	Dynoma Step LS	1	532-A-779	BRACKET STYLE #3		53-232			
	49	~~Engine~~ Step SUPPORT. L.S	1	" "		53-329				
	50	" " ~~Brace~~ " FILLER BLOCK 2½"	~~1~~ 2	~~732-M-10~~ 712-C-209			~~73-98~~ 71-63			
	51	Guide Step								
	52	Headlight Step (ON SMOKE BOX FRONT)	1	533-L-4			53-173			
	53	" "								
	54	Pilot Step	2	623-A-35	PLATE. MAT ORD IN P.D	53-A-9				
	55	" "								
	56	Running Board Step	2	532-A-777	PLATE. MAT ORD. IN P.D					
	57	" " "	2	" "	" "	53-A-327				
	58	" " " Brace								
	59	" " " "								
	60									
	61									

(Group 53 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 53—HAND RAILS & STEPS (Cont.)								
	1	Sand Box Step L.S (2ND COURSE)	1	532-A-779	BRACKET STYLE #2	—	53-232	—	—	—
	2	" " " SUPPORT L.S (" ")	1	"	"	53-C-321	—	—	—	—
	3	" " " R.S (2ND COURSE)	1	532-A-779	BRACKET STYLE #1	—	53-232	—	—	—
	4	~~Side~~ Sheet " SUPPORT R.S. (" "	1	"	"	53-A-328	—	—	—	—
	5									
	6	SIGNAL FIXTURE LOCK	2	543-A-9	—	54-A-2	—	—	—	—
	7	**GR. 54—H'DLI'TS, Lamps, Plates, Etc.**								
	8	Signal Fixtures—Location	—	SEE ERECT CARD	—	—	—	—	—	—
	9	" Lamp Bracket (ON SMOKE BOX FRONT)	2	543-A-9	—	—	54-72	—	—	—
	10	" " " SUPPORT (" " ")	2	"	" PLATE MAT ORD IN. PD	54-A-4	—	—	—	—
	11	Flag Bracket & HAND RAIL FIXTURE (ON BUMPER)	1R/1L	543-A-9	GROUP #2 —	—	54-101 54-94	—	—	—
	12	" Socket	—							
	13	" Box	—							
	14	Lamp Bracket	—							
	15	" Socket	—							
	16	Headlight Shelf	1	542-F-22	—	—	54-76	—	—	—
	17	" " ~~Edge~~ CASE	1—SET	PYLE NAT. PT 20-C-300-A	ORD IN. P.D	—	—	—	—	—
	18	" " Bracket	—							
	19	" " Handle	1	542-F-22	7/8" BOLT	—	—	—	—	—
	20	Train Number Indicator	—							
	21	Lamp (Steam Gauge)	—	INTEGRAL WITH GAUGE	—	—	—	—	—	—
	22	" Bracket	—							
	23	" (Water Gauge) (LCB-55) RS	1	PYLE NATIONAL	ORD. IN P.D	—	—	—	—	—
	24	" Bracket RS	1	TO SUIT E.S	—	To Suit E.S	—	—	—	—
	25	" (Air Gauge)	—	INTEGRAL WITH GAUGE	—	—	—	—	—	—
	26	" Bracket	—							
	27	" Lubricator (2-ENGS ONLY)	1	LUXON LAMP GUARD.	ORD. IN. P.D	—	—	—	—	—
	28	" Bracket - OIL HEAT	—							
	29	" Engineer's	1	—	ORD IN P.D	—	—	—	—	—
	30	" Bracket	—							
	31	" (Booster) LUB. (1ST 2-ENGS ONLY)	1	LCB-40 PYLE NATIONAL	ORD. IN P.D	—	—	—	—	—
	32	" Bracket (" " ")	1	TO SUIT. E.S	—	TO SUIT E.S	—	—	—	—
	33	" (Pyrometer)	—							
	34	" Bracket	—							
	35	" (~~Feed Water Gauge~~ OIL ATOMIZER GUAGE	1	LCB-40. PYLE NATIONAL	ORD. IN P.D	—	—	—	—	—
	36	" Bracket	1	TO SUIT E.S	—	To Suit E.S	—	—	—	—
	37	Number Plate	—							
	38	" " Figures	1 SET	543A38	ALUMINUM	—	—	—	—	—
	39	Builder's Card	2	543-A-16	—	—	—	—	54-158	—
	40	~~Name Plate~~ OWNERSHIP PLATE R&L	2	542-A-663	—	—	—	—	54-707	—
	41	Patent Plate—Superheater	1	SUP. CO. PT # 3L-3831-A.	ORD. IN P.D	—	—	—	—	—
	42	" "	—							
	43	Dynamo Bracket	1	542-A-662	PLATE MAT ORD. IN P.D.	—	—	—	—	—
	44	Electric Wiring	1-SET	543-A-110	MAT. ORD IN P.D	—	—	—	—	—
	45	DYNAMO PYLE NAT. K-240	1	PYLE NAT. CO. PT 11-F-400-C	ORD. IN P.D	—	—	—	—	—
	46	STEAM PIPE CASING PATENT PLATE	2	542-B-466	—	—	—	—	ALUMINUM 54-699	—
	47									
	48	ELEC. CONDUIT J BOLTS	6	~~542-B-119~~ ~~542-F-119~~	FUR. WASHER, GASKET AND NUTS	~~542-B-119~~ ~~542-F-119~~	—	—	—	—
	49									
	50	DYNAMO SUPPORT WASHERS	4	732-J-10	—	—	73-97	—	—	—
	51									
	52	WATER GUAGE LAMP (LCB-55) LS	1	PYLE NATIONAL	ORD. IN P.D	—	—	—	—	—
	53	" " BRACKET LS	1	TO SUIT E.S.	—	TO SUIT E.S	—	—	—	—
	54	CLASSIFICATION LAMP (P.N. # CLBR-15	2	PYLE NATIONAL	ORD IN P.D	—	—	—	—	—
	55	VALVE NAME PLATES (DYNAMO)	1	542-F-121	—	—	—	—	54-203	—
	56	" " " (AIR PUMP)	1	542-D-121	—	—	—	—	54-201	—
	57	" " " (MAIN TURRET)	1	542-L-121	—	—	—	—	54-322	—
	58	" " " (L. WATER GLASS)	1	542-A-121	—	—	—	—	54-198	—
	59	" " " (OIL BURNER)	1	542-S-121	—	—	—	—	54-408	—
	60	" " " (BOOSTER LUBRICATOR)	1	542-K-121	(2-ENGS ONLY)	—	—	—	54-321	—
	61	" " " (BLOWER)	1	542-E-121	—	—	—	—	54-202	—

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 55—Injector & Feed Water								
	1	Injector GOOD GAL CAP. EDNA. NON LIFTING	1R/1L	EDNA. CO PT. FS-11	ORD IN. P.D	—	—	—	—	—
	2	" Bracket	1R/1L	552-A-406	PLATE. MAT ORD IN P.D	552-A-406	—	—	—	—
	3	" Check 1-RIGHT EDNA	1	EDNA-FIG-117-B NO. 6	ORD IN P.D	—	—	—	—	—
	4	" " ~~Valve~~ 1-LEFT EDNA	1	" "	" "	—	—	—	—	—
	5	" " Cap								
	6	" ~~Nut~~ BAL. LEVER STARTING VALVE	2	EDNA.	ORD IN. P.D	—	—	—	—	—
	7	" " Sleeve	—							
	8	" " Flange	—							
	9	" " Baffle Plate	—							
	10	" Extension Handle	—							
	11	" " " Support	—							
	12	" Universal Joint	—							
	13	" Pipe Connection	—							
	14	" " "	—							
	15	Delivery Pipe Coupling Nut	—							
	16	" " " Sleeve	—							
	17	INJECTOR CAB STAND RODS	2	To Suit E.S	—	To Suit E.S	—	—	—	—
	18	INJECTOR CAB STANDS	2	EDNA.	ORD IN P.D	—	—	—	—	—
	19	Feed Hose	2	3" I.D x 54" LONG	ORD IN. PD	—	—	—	—	—
	20	" "	—							
	21	" " Clamp	2	PURCHASED	ORD IN P.D	—	—	—	—	—
	22	" Pipe Hanger R & L	2	552-D-393	—	552-D-393	—	—	—	—
	23	Strainer BODY (R&L)	2	553-B-38	—	—	—	—	55-40A	—
	24	" Body	2	" "	—	—	—	—	55-41	—
	25	" ~~Cap~~ CLAMP	2	" "	—	—	—	—	55-42	—
	26	" ~~Nut~~ "	2	" "	—	—	—	—	55-43	—
	27	" ~~Sleeve~~ " BOLT	2	" "	—	560-S-101	—	—	—	—
	28	" ~~Swivel~~ PLATE	2	" "	COPPER MAT. ORD IN P.D	—	—	—	—	—
	29	" Coupling Nut	2	" "	—	—	—	—	82-116	—
	30	" " " Sleeve	2	" "	—	—	—	—	82-120	—
	31									
	32	FEED PIPE HANGER BRACKET	2	552-A-7	—	—	—	55-75	—	—
	33	" " " " PLATE	2	552-A-402	PLATE	552-A-402	—	—	—	—
	34									
	35									
	36	Feed Water Heater	—							
	37	" " " Support	—							
	38	" " " Pump	—							
	39	" " " " Bracket	—							
	40									
	41	INJECTOR STARTING VALVE EXT. ROD	2	To Suit E.S.	—	To Suit E.S	—	—	—	—
	42	" " " " " SUPPORT	2	To Suit E.S	—	To Suit E.S	—	—	—	—
	43	" " Regulating Valve ROD	2	To Suit ES	—	To Suit ES	—	—	—	—
	44	" " " " " SUPPORT	2	To Suit ES	—	To Suit ES	—	—	—	—
	45	" " VALVE EXT. ROD JAW	2	552 A 412	JAWS ARE MADE. FUR. PIN. SCHEDULE PRICE ONLY.	—	—	—	—	—
	46									
	47									
	48									
	49									
	50									
	51									
	52									
	53									
	54									
	55									
	56									
	57									
	58									
	59									
	60									
	61									

(Group 55 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 55—Injector & Feed Water (Cont).								
	1	LUBRICATOR ARRG'T. "EDNA" MECHANICAL	1-SET	597-A-13	—	—	—	—	—	—
	2	" TERMINAL CHECK SUPPORT	1	592-A-621	PLATE MAT. ORD IN P.D	592-A-621	—	—	—	—
	3	" " " "	1	592-B-621	" "	592-B-621	—	—	—	—
	4	" CON. ROD STUD	1	592-A-622	(HIGH CARBON STEEL) FUR. NUT & WASHER	—	—	—	—	—
	5	" CON. ROD.	1	592-B-622	JAWS FUR. WITH LUB.	—	—	—	—	—
	6	" TERMINAL CHECK VALVES	4	597-A-13.	EDNA FIG # 295 ORD. IN P.D	—	—	—	—	—
	7	" DISTRIBUTOR FOR GUIDES	2	" "	EDNA. ORD. IN P.D	—	—	—	—	—
	8	" TERMINAL CHECK FITTING	4	592-C-450	STEEL	—	—	—	—	—
	9	" " " " NUT	4	592-D-450	STEEL	—	—	—	—	—
	10	" OIL PIPES CLAMPS	4	597-A-13	TO SUIT E.S	—	—	—	—	—
	11	" OIL PIPE CLAMPS (GUIDES)	8	" "	" " "	—	—	—	—	—
	12	" DISTRIBUTOR CLAMP PLATE	2	" "	$\frac{5}{8}$ PLATE. x 6" x 7 $\frac{1}{2}$"	—	—	—	—	—
	13									
	14									
	15									
	16									
	17									
	18									
	19									
	20									
	21									
	22									
	23									
	24									
	25									
	26	DETROIT FLANGE LUBRICATOR ARRGT	1-SET	593-A-47	—	—	—	—	—	—
	27	" " " SUPPORT	1	592-A-623	PLATE. MAT ORD IN P.D	592-A-623	—	—	—	—
	28	" " " " BRACE	1	592-B-623	—	592-B-623	—	—	—	—
	29	" " " NOZZLE SUPPORT IR/IL		592-A-624	—	592-A-624	—	—	—	—
	30									
	31									
	32									
	33									
	34									
	35									
	36	**GROUP 57—LAGGING & JACKET**								
	37	Lagging (Boiler)	1-SET	572-~~A~~ B C -156	JOHNS. MANVILLE ORD IN P.D	—	—	—	—	—
	38	" Panel	—							
	39	" "	—							
	40	" "	—							
	41	" Angle Iron	—							
	42	" " "	—							
	43	Jacket (Boiler)	1-SET	#18. BWG. PAINTED STEEL	ORD. IN P.D	—	—	—	—	—
	44	" Band	1-SET	" "	" "	—	—	—	—	—
	45	" CLIP.	8	572-B-68	—	—	—	57-113	—	—
	46	" Clamp 120	~~120~~ 60	572-C-69	—	—	—	57-49	—	—
	47	" " BANDS 20	~~20~~ 10	572-D-69	—	—	—	57-49	—	—
	48	Plug Casing BACKHEAD, SHELL & CROWN.	22	572-B-6	—	—	—	—	—	57-5
	49	" " (1ST 2 ENG'S ONLY) (OVER SYPHONS) TOP. FIREBOX.	2	572-B-6	—	—	—	—	—	57-5
	50	" ~~Cover~~ (THROAT) SYPHON PLUGS (1ST 2 ENG'S ONLY)	2	572-C-6	—	—	—	—	—	57-6.
	51	Cylinder Lagging	1-SET	USE BOILER SCRAP	ORD IN. P.D	—	—	—	—	—
	52	" Jacket	1-SET	#18 BWG. COLD ROLLED STEEL	ORD IN P.D	—	—	—	—	—
	53	Gauge Cock Casing	1	572-C-6	—	—	—	—	—	57-6
	54	Boiler Test Plate Casing	1	572-A-139	—	—	—	—	57-119	—
	55	INJECTOR CHECK JACKET CASING	2	~~572-A-78~~ ~~572-W-6~~	—	—	—	—	~~57-69~~ ~~57-125~~	—
	56	WATER COLUMN JACKET CASING	1	572-C-6	—	—	—	—	—	57-6
	57	JACKET NUTS (FIREBOX & BACKHEAD)	40	322-D-112	—	32-112	—	—	—	—
	58	PLUG CASING COVERS (BACKHEAD SHELL & CROWN)	22	572-D-58	ORD. IN P.D	—	—	—	—	—
	59	" " " (OVER SYPHONS) (1ST-2-ENG'S ONLY)	2	572-D-58	" "	—	—	—	—	—
	60	" " " (SYPHONS THROAT) (" ")	2	572-F-58	" "	—	—	—	—	—
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 58—LINK MOTION								
	1	Link (PAIRED R&L)	2	583-A-83	MAT. ORD IN P.D	58-A-195	—	—	—	—
	2	" Block	2	583-B-83	STEEL CASEHARDENED	583-B-83	—	—	—	—
	3	" " Bushings (FURNISH RIVETS)	4	583-A-83	HIGH CARBON STEEL	—	—	—	—	—
	4	" Cheeks	4	583-A-83	—	—	—	58-197-A	—	—
	5	" Filling	—							
	6	" Plate	—							
	7	" Saddle	—							
	8	" " Pin	—							
	9	" " Bushings	—							
	10	" Support	—							
	11	" " Bushings FURNISH KEEPER BOLTS	4	584-D-1	—	—	—	—	58-201	—
	12	Motion Bearer Crosstie	IR/IL	584-D-1	—	—	—	58-198-A	—	—
	13	" " Knee	IR/IL	582-A-423	—	—	—	R-58-199 L-58-200	—	—
	14	Radius Rod—~~Front Section~~	IR/IL	582-A-419	MAT. ORD. IN P.D	58-A-196	—	—	—	—
	15	" " ~~Rear~~ " PIN	2	582-B-419	STEEL CASEHARDENED	"	—	—	—	—
	16	" " ~~Lifting Link~~ PIN	2	582-C-419	"	"	—	—	—	—
	17	Combination Lever (RIGHT)	1	582-A-420	MAT. ORD IN P.D	582-A-420	FURNISH PLUGS ETC	—	—	—
	18	" " ~~Bushings~~ PIN TAPER PIN	6	582-C-420	—	—	—	—	—	—
	19	" " Pin TOP	2	582-B-420	—	—	—	—	—	—
	20	Union Link (FURNISH PIPE PLUG)	IR/IL	582-A-421	MAT. ORD. IN P.D	58-B-8	—	—	—	—
	21	" " Pin	2	"	STEEL CASEHARDENED		—	—	—	—
	22	" " Bushings	2	"	"	—	—	—	HARD BRONZE-AAR. 58-28	—
	23	Slide Block	—							
	24	" " Cap	—							
	25	" " Bottom	—							
	26	" " Trunnions	—							
	27	" " Liners	—							
	28	MOTION BEARER	1	582-A-422	MAT. ORD. IN P.D. UNIV. MILL	582-A-422	—	—	—	—
	29	COMBINATION LEVER (LEFT)	1	582-A-~~423~~ 424	MAT. ORD IN P.D	582-A-~~423~~ 424	—	—	—	—
	30	Transmission Bar	—							
	31	" " Hanger	—							
	32	" " Link	—							
	33	" " Pin	—							
	34	Baker Valve Gear Frame Drilling	—							
	35	" " " " Extension	—							
	36	LINK LIFTER (PAIRED)	2	582-A-418	MAT. ORD IN P.D.	58-~~B~~ A-6	REWORK FORGINGS MADE TO SK 58-A-6.	—	—	—
	37	" " PINS (FUR. NUTS)	2	582-B-418	STEEL CASEHARDENED	—	—	—	—	—
	38	COMBINATION LEVER PIN BOTTOM	1	582-A-420	—	—	—	—	—	—
	39	" " " "	1	582-A-~~423~~ 424	—	—	—	—	—	—
	40	**GROUP 59—Oil Cups & Lubricator**								
	41	Oil Cups								
	42	Crosshead Oil Cup	—							
	43	" " " Cap	—							
	44	" " " Nut	—							
	45	" " " Stem	—							
	46									
	47	Eng. Truck ~~Oil Cup~~ BEARING OIL Box	2	592A628	1/4" STEEL PLATE. FUR. 1/4" PIPE.-LENGTH TO SUIT.	—	—	—	—	—
	48	" " " ~~Cap~~ " " " ARRGT	2 SET	592B628	FUR. 3/4" x 1/4" PIPE STANDARD REDUCER.	—	—	—	—	—
	49	" " " " Nut	—							
	50	" " " " Stem	—							
	51									
	52	Ecc. Rod Oil Cup ADAPTER	2	592-A-619	STEEL	—	—	—	—	—
	53	" " " " Cap								
	54	" " " " Nut								
	55	" " " " ~~Stem~~ PLUG	2	592-F-7	PRIME ORD IN RD	—	—	—	—	—
	56									
	57	Guide Oil Cup	—							
	58	" " " Cap	—							
	59	" " " Nut	—							
	60	" " " Stem	—							
	61									

(Group 59 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 59—Oil Cups & Lubricator (Cont.)								
	1	Link Oil Cup	—							
P	2	" " " Cap (TOP)	2	592-B-14	STEEL	—	—	—	—	—
	3	" " " Nut								
P	4	" " " ~~Stem~~ CAP (LINK TAIL)	2	592-B-14	STEEL	—	—	—	—	—
	5									
	6	Link Lifter Oil Cup	—							
	7	" " " " Cap	—							
	8	" " " " Nut	—							
	9	" " " " Stem	—							
	10									
	11	Radius Rod Oil Cup	—							
P	12	" " " " Cap	2	592-B-14	STEEL	—	—	—	—	—
	13	" " " " Nut	—							
	14	" " " " Stem	—							
P	15	LINK SUPPORT OIL CUP CAPS	4	592-A-14	STEEL	—	—	—	—	—
	16	~~Rockshaft Oil Cup~~								
P	17	REV. SHAFT ARM ~~Cap~~ OIL CUP CAP RS	1	592-A-14	STEEL	—	—	—	—	—
P	18	" " " " ~~Nut~~ " " " " L.S	1	592-A-14	STEEL	—	—	—	—	—
	19	" " " Stem								
	20									
	21	Rev. Shaft Oil Cup	—							
P	22	" " " " Cap	2	592-A-14	STEEL	—	—	—	—	—
	23	" " " " Nut	—							
	24	" " " " Stem	—							
	25									
	26	Transmission Oil Cup	—							
	27	" " " Cap	—							
	28	" " " Nut	—							
	29	" " " Stem	—							
	30									
P	31	Piston Rod Oil Cup ($\frac{3}{4}$"-14 THD'S SHANK)	2	U.S. MET. CO. PT X-40	ORD IN P.D WITH PACKING	—	—	—	—	—
	32	" " " " Cap	—							
	33	" " " " Nut	—	oil cup Brkt + Arrgt See Page 39 Item 59						
	34	" " " " Stem	—							
	35									
P	36	Valve Stem Oil Cup ($\frac{1}{2}$"-18 THD' SHANK)	2	U.S. MET. PKG CO. PT # X-631.	ORD. IN P.D. WITH PACKING	—	—	—	—	—
	37	" " " " Bracket	—							
	38	" " " " Cap	—							
	39	" " " " Nut	—							
	40	" " " " Stem	—							
	41									
P	42	Main Rod Grease Cup ADAPTER	2	592-B-619	STEEL	—	—	—	—	—
	43	" " " "	—							
	44	" " " " Cap	—							
	45	" " " " Nut	—							
	46	" " " " Stem	—							
P	47	" " " " Plug	2	592-F-7	PRIME ORD IN P.D	—	—	—	—	—
	48									
P	49	Side Rod Grease Cup	8	592-A-619	STEEL	—	—	—	—	—
	50	" " " " Cap	—							
	51	" " " " Nut	—							
	52	" " " " Stem	—							
P	53	" " " " Plug	8	592-F-7	PRIME ORD IN P.D	—	—	—	—	—
	54									
	55	Trailer Truck Oil Cup	2	592-A-100	—	—	—	—	59-131	—
	56	" " " " Cap	2	592-A-20	SPRING STEEL ORD. IN P.D	—	—	—	—	—
	57									
	58	Throttle Lever Support Oil Cup	1	592-A-14	STEEL	—	—	—	—	—
	59	" " BEARING " ~~Cap~~ COMPRESSION CUPS	5	LUNKENHEIMER # 1089. - SIZE-0	ORD. IN P.D	—	—	—	—	—
	60	DRIVING WHEEL GREASE PLUG ADAPTER	8	592-A-619	STEEL	—	—	—	—	—
	61	" " " "	8	592-F-7	PRIME. ORD. IN P.D	—	—	—	—	—

(Group 59 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 59—Oil Cups & Lubri. (Cont.)								
	1	Valve Rod Crosshead Guide Oil Cup	4	592-F-33	ORD. IN P.D.					
	2	" " " " " " ~~Cap~~ EXTENSION.	1	592 A 632	STICK BRASS					
	3	" " " " " " ~~Nut~~ BUSHING	4	TO SUIT.	cups were taken from stock, threads not correct. threads turned off and Bushing Pressed on and rethreaded to Card.					
	4	" " " " " " Stem	—							
	5	" " " " " " Plug								
	6									
	7	Oil Can Holder	1	592-B-417	MAT. ORD IN P.D					
	8	" " " Support	2	" "		59-B-122				
	9	" " " ANGLE	1	" "	ANGLE					
	10	~~THROTTLE ROD COMPRESSION GREASE CUPS~~	~~4~~	LUNKENHEIMER #1089 SIZE O	~~ORD. IN P.D.~~					
	11									
	12	LUBRICATOR BOOSTER (1ST-2-ENG'S ONLY)	1	EDNA-PT FS-15	ORD. IN P.D.	HYDROSTATIC. EDNA-1-FEED				
	13	" " BRACKET (" ")	1	592-A-625		592-A-625				
	14	AIR PUMP LUBRICATOR NATHAN TYPE-L.B	2	NATHAN PT 3405-B.	FUR. BY NATHAN AND APPLIED TO PUMPS BY . W-A.B. Co.		ORD. IN. P.D			
	15	Lubricator MECHANICAL (6-FEED 16-PINTS)	1	"EDNA" MODEL 1928	ORD. IN P.D.					
	16	" Marking	—							
	17	" Support (EDNA MECH. LUB)	1	593-A-46				59-539		
	18	" " Brace	—							
	19									
	20	Flange Lubricator DETROIT 2-FEED	1	DETROIT PT# FO-426-D.	ORD. IN P.D					
	21	" " Support								
	22	(EDNA MECHANICAL LUB. ARRGT.	SEE PAGE-30 ITEM-1)							
	23									
	24	CYLINDER OIL PLUG	2	592-C-505	STICK BRASS					
	25	Steam Chest Oil Plug	4	592-B-505	STICK BRASS					
	26	BELL RINGER OIL CUP.	1	592-A-12					59-237	
	27	Bell Ringer Oil ~~Cup~~ VALVE	1	" "	FURNISH NUT STICK BRASS					
	28	" " ~~Radial Buffer~~ Oil Cup CAP	1	" "					59-236	
	29	" " " " NUT	1	" "	STICK BRASS					
	30	" " " " WASHER	1	" "	" "					
	31	**GROUP 60—Oil Burning Attachments**		See Ed. Kings letter to AWS dated 9-6-36 stating changes made by R.R. also marked front of card 608 A-2 in Engineering File						
	32	Oil Burning Arrangement	1 SET	608-A-2	FURNISH 4 FILLER BLOCKS 3/4" x 2" x 3" CASTINGS ORD. IN P.P.	FURNISH SET SCREWS & PLUGS.			L&A PAT# 189-A & 189-B	
	33	Oil Burner (MACHINE AT LIMA.)	1	602-A-56					BRASS	
	34	" " ~~Lip~~ MANIFOLD	1	602-B-36					60-59	
	35	" " Support	1	102-A-290		102-A-290				
	36	" Feed Quadrant & DETAILS	1	603-B-24		600-S-32				
	37	" Operating Handle	1	"					60-57	
	38	" Heater	1	603-C-23	PIPE-MAT. ORD. IN. P.D.					
	39	" " ~~Ends~~ CASING.	1	"	MAT. ORD. IN P.D.					
	40	" " ~~Nuts~~ CASING CLAMPS	18	"					60-17	
	41	" " ~~Packing~~ SUPPORT	2	"	~~FURNISH 4 FILLER BLOCKS 3/4" x 2" x 3"~~	60-A-42				
	42	" " ~~Sleeve~~ SUPPORT CLAMP	2	"		60-A-41				
	43	" FEED REGULATOR LATCH. ~~Casing~~	1	603-B-24		600-S-31				
	44	" " ~~Support~~ " " HANDLE	1	"					60-58	
	45	" " " " SPRING	1	"	BRASS SPRING					
	46	" " " " LINK	1	"	FIN. SIZES 1/4" x 9/16" x 2 1/2"					
	47	" LEVER PINS	1 SET	"						
	48	" TANK VALVE CUTOUT ARRGT	1	602-B-44	FURNISH- 3/16" STEEL CABLE.					
	49	" " " " PIN	1	" "		60-A-39				
	50	" " " " ROPE THIMBLE	1	122-A-14	STICK BRASS FURNISH NUT.					
	51	" " " " HANDLE	1	602-B-44		60-A-40				
	52	OIL BURNER SHAFT	1	602-D-39	FIN. SIZES. 1 3/16" x 1 3/16" x 63 1/4" Long					
	53	" " " COLLAR	1	602-B-39	FORGE SIZES 2" DIA x 1/2" Thick					
	54	" " " BEARING.	1	602-A-61		602-A-61				
	55	" " " ARM	1	602-A-60		602-A-60				
	56	**GROUP 61—PAINTING**								
	57	Lettering								
	58	~~OIL~~ MANIFOLD SUPPORT	1	602-A-62	MAT ORD IN P.D.	602-A-62				
	59	OIL MANIFOLD SHIELD	1	602-B-43						
	60	OIL LEVER BRACKET	1	602-B-38		602-B-38				
	61	" " " BLOCK	1	592-K-77			59-515			

(GROUP 60 Continued) (NEXT Page)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 72—RODS—Main and Side								
	1	Rods—Main								
	2	Front Stub								
	3	" " Strap								
	4	" " Key								
	5	" " Washer								
	6	" " Brass								
	7	" " "								
	8									
	9	Main Stub								
	10	" " Strap								
	11	" " Wedge								
	12	" " Filling								
	13	" " Brass								
	14	" " "								
	15	" " " Grooves								
	16									
	17									
	18									
	19									
	20	Rods—Side—Front								
	21	Front Stub								
	22	" " Strap								
	23	" " Key								
	24	" " Filling								
	25	" " Brass								
	26									
	27									
	28	Rods—Side—Int.								
	29	Inter. Stub								
	30	" " Strap								
	31	" " Key								
	32	" " Filling								
	33	" " Brass								
	34									
	35	Rods—Side—Main								
	36	Main Stub								
	37	" " Strap								
	38	" " Key								
	39	" " Filling								
	40	" " Brass								
	41									
	42	Rods—Side—Back								
	43	Back Stub								
	44	" " Strap								
	45	" " Key								
	46	" " Filling								
	47	" " Brass								
	48									
	49	Knuckle Pin								
	50	OIL "BURNER ~~Bushing~~ CLAMP BARS	2	608-A-2	STEEL 1/2 x 2" x 10 1/2" LONG					
	51	" " ~~Nut~~ " ADJ. STUDS.	2	" "						
	52									
	53	Side Rod Grease Grooves								
	54									
	55	OIL BURNER SHAFT ARM CONN. ROD.	1	602-C-40	3/4" PIPE.					
	56	" " " " " JAWS.	2	602-C-40		73-A-25				
	57									
	58	OIL MANIFOLD SHIELD-MARKER	1	BLOW BACK	3/8" LETTERS STAMPED ON 5/8" STRIP ON PATT. SHOP STAMPING MACHINE.					
	59	" " " "	1	TANK HEATER	"	"				
	60	" " " "	1	ATOMIZER	"	"				
	61	" " " "	1	ENG. HEATER	"	"				

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 62—PILOT								
	1	Pilot	1-SET	623-A-35	—	—	—	—	—	—
	2	" Band	1	"	" MAT. ORD IN P.D	62-A-1	—	—	—	—
	3	" ~~Bracket~~ BRACE (FRAME)	1	"	" "	62-A-4	—	—	—	—
	4	" ~~Bottom~~ Plate HEEL BRACE	2	"	" "	62-A-2	—	—	—	—
	5	" ~~Corner Iron~~ " "	1	"	" "	62-A-3	—	—	—	—
	6	" Knee	—							
	7	" Strap	—							
	8	" Brace	—							
	9	" "	—							
	10									
	11	Rail Guard	—							
	12	" "	—							
	13	Snow Plow	—							
	14	PILOT SLAT	1R/1L	623-A-35	MAT. ORD IN P.D	62-A-5	—	—	—	—
	15	" "	1R/1L	"	" "	62-B-5	—	—	—	—
	16	" "	1R/1L	"	" "	62-C-5	—	—	—	—
	17	" "	1R/1L	"	" "	62-D-5	—	—	—	—
	18	" "	1R/1L	"	" "	62-E-5	—	—	—	—
	19	" "	1R/1L	"	" "	62-F-5	—	—	—	—
	20	" "	1R/1L	"	" "	62-H-5	—	—	—	—
	21	~~GROUP 63—PIPE FITTINGS~~	1	"	" "	62-A-6	—	—	—	—
	22	Air Gauge Fitting	—							
	23	" " " Nut	—							
	24	" " " Swivel	—							
	25									
	26	GUVERNOR Air Pump ~~Oil~~ Fitting	2	632-U-709	STICK BRASS	—	—	—	—	—
	27	" " " " Nut	2	632-B-709	" "	—	—	—	—	—
	28	" " " " Swivel	2	"	" BRAZING METAL	—	—	—	—	—
	29	" " Elbow	—							
	30	ATOMIZER GAUGE FITTING ~~Angle Valve Nut~~	1	632-S-709	STICK BRASS	—	—	—	—	—
	31	" " ~~Swivel~~ FITTING NUT	2	632-B-709	STICK BRASS	—	—	—	—	—
	32	" " " SWIVEL	2	632-B-709	BRAZ. METAL	—	—	—	—	—
	33	ATOMIZER ~~Angle Valve~~ Nut FITTING	1	632-H-709	STICK BRASS	—	—	—	—	—
	34	" " Swivel								
	35									
	36	Ash Pan Valve Nut								
	37	" " " Swivel								
	38									
	39	Bell Ringer Fitting (AIR TURRET)	1	632-F-709	STICK BRASS	—	—	—	—	—
	40	" " " Nut	1	632-C-709	STICK BRASS	—	—	—	—	—
	41	" " " Swivel	1	"	BRAZ. METAL	—	—	—	—	—
	42	" " "	1	632-F-709	STICK BRASS	—	—	—	—	—
	43	~~Booster Turret Valve Elbow~~ NUT	1	632-C-709	" "	—	—	—	—	—
	44	" " " SWIVEL	1	"	BRAZ. METAL	—	—	—	—	—
	45									
	46	Blower Fitting	1	BARCO	ORD IN P.D	—	—	—	—	—
	47	" " Cap	—							
	48	" " Plug	—							
	49	" " Nut	—							
	50	" " PIPE FLANGE	1	632-A-1030	—	—	—	63-1232	—	—
	51	" " Sleeve	—							
	52	" " "	—							
	53	" " Washer	—							
	54	" " Handle	—							
	55	" Valve Nut	—							
	56	" " Swivel	—							
	57	" Elbow	—							
	58	BLOWER EXT. ROD SUPPORTS	1-Set	To Suit Erect Shop	—	—	—	—	—	—
	59	BLOWER EXT. ROD.	1	282A237	—	282-A-237	—	—	—	—
	60	BLOWER EXT. ROD HANDLE	1	732-B-4	—	—	—	—	73-72	—
	61	" " " PIN		282-B-237	STEEL	—	—	—	—	—

(Group 63 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—PIPE FITTINGS (Cont.)								
P	1	Coal Sprinkler Fitting VALVE.	1	CRANE # 1823-P	ORD. IN P.D.	—	—	—	—	—
	2	" " " Nut	—							
	3	" " " Swivel	—							
	4	" " " Nozzle	—							
P	5	" " " Hose	1	½" DIA x 6'-0 LONG	ORD IN P.D	—	—	—	—	—
P	6	" " " " CLAMP	1	½" HOSE CLAMP	" " "	—	—	—	—	—
P	7	Cyl. Oil Pipe Fitting (MECH LUB)	2	632-E-799	STICK BRASS	—	—	—	—	—
P	8	" " " " Nut	16	632-R-723	" "	—	—	—	—	—
	9	" " " " "	—							
P	10	" " " " Swivel	16	632-R-723	BRAZ. METAL	—	—	—	—	—
	11	" " " " "	—							
P	12	" " " " Tee	2	632-B-442	—	—	—	—	63-732	—
	13	" " " " " Nut	—							
	14	" " " " " Swivel	—							
	15	" " " Bracket	—							
	16									
	17	Drip Valve Nut	—							
	18	" " Swivel	—							
	19									
	20	Dynamo Valve Nut	—							
	21	" " Swivel	—							
P	22	STEAM GAUGE FITTING.	1	632-E-709	STICK BRASS	—	—	—	—	—
P	23	~~Feed Cock~~ " " Nut	1	632-B-709	" "	—	—	—	—	—
P	24	" " Swivel	1	" "	BRAZ. METAL	—	—	—	—	—
P	25	" "								
	26	Inj. Starting Valve Nut	—							
	27	" " " Swivel	—							
	28									
	29	Lubricator Valve Nut	—							
	30	" " Swivel	—							
	31									
	32	Oil Cock Nut	—							
	33	" " Swivel	—							
P	34	ST GAUGE FITTING (AT GAUGE)	1	~~632-K-692~~ ~~632-P-709~~	STICK BRASS	—	—	—	—	—
P	35	St. Gauge ~~Cock~~ Nut " "	1	632-J-692 ~~632-B-709~~	" "	—	—	—	—	—
P	36	" " " Swivel " "	1	" " "	BRAZ. METAL	—	—	—	—	—
P	37	SANDER AIR FITTING	4	632-E-709	STICK BRASS	—	—	—	—	—
P	38	Sander ~~Valve~~ AIR Nut	4	632-B-709	" "	—	—	—	—	—
P	39	" " Swivel	4	" "	BRAZ. METAL	—	—	—	—	—
	40									
	41	Water Gauge Valve Nut	—							
	42	" " " Swivel	—							
	43									
	44									
	45	ENG. TRUCK OIL ~~Check Pipe Union~~ BOX FITTING.	2	632-B-709	STICK BRASS	—	—	—	—	—
	46	" " " Nut	2	632-E-709	" "	—	—	—	—	—
	47	" " " Swivel	2	" "	" "	—	—	—	—	—
	48									
	49	Feed Pipe Union	—							
	50	" " " Nut	—							
	51	" " " Swivel	—							
	52									
	53	Inj. Steam Pipe Union	—							
	54	" " " " Nut	—							
	55	" " " " Swivel	—							
	56									
	57	Oil Pipe Union	—							
	58	" " " Nut	—							
	59	" " " Swivel	—							
	60	Manifold and Bracket	—							
	61									

(Group 63 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—Pipe Fittings (Cont.)								
	1	Pipe Union								
	2	" " Nut								
	3	" " Swivel								
	4	" Pads Booster Lub. (On. Booster Live Steam Pipe)	1	632-B-726	Steel	1st 2 Eng's only	—	—	—	—
	5	" " Booster Preliminary Choke (" ")	1	632-C-726	"	1st 2 Engs only	—	—	—	—
	6	" " Booster Steam Gauge (" ")	1	632-B-726	"	1st 2 Eng's only	—	—	—	—
	7	" " Booster Pilot Valve (" ")	1	632-E-726	"	1st 2 Eng's only	—	—	—	—
	8	" "								
	9	" "								
	10	" "								
	11	" Flanges At Booster Throttle Valve	1	632-B-294	1st 2-Eng's only		—	63-488	—	—
	12	" " At Check Valve (Booster)	1	632-B-294	1st 2-Eng's only		—	63-488.	—	—
	13	" " In Booster Line Connection	2	632-D-687	1st 2-Eng's only		—	63-886	—	—
	14	" " At Elbow on Cylinder (Booster)	1	632-A-461	1st 2-Eng's only.		—	63-745	—	—
	15	" " Blower Take Off Flange	1	632-A-1031	—	—	—	63-1233	—	—
	16	" " " " " " Joint Ring	1	792-J-91	—	—	79-825	—	—	—
	17	" "								
	18	" "								
	19	" "								
	20	" "								
	21	" "								
	22									
	23	Pipe Flange Joint Ring (Booster Steam Elbow to Cyl)	1	792-N-93	1-st 2-Eng's only		79-714	—	—	—
	24	" " " " (Booster Steam Elbow to Flange)	1	792-S-93	1-st 2-Eng's only		79-714	—	—	—
	25	" " " " (Bet. Flange & Booster Throttle Valve)	1	792-E-147	1st 2-Eng's only		79-907	—	—	—
	26	" " " " (Bet. Booster Throttle & Booster Check Valve	1	792-Y-93	1st 2-Eng's only		79-714	—	—	—
	27	" " " " (In Booster Line)	1	792-D-95	1st 2-Eng's only		79-905	—	—	—
	28	" " " " (Bet Check Valve & Flange (Booster)	1	792-F-147	1st 2-Eng's only.		79-907	—	—	—
	29									
	30	Pipe Clamp Bracket (Train Line Brake Cyl. Line)	1	632-A-1085	Mat. ord in P.D Angle		—	—	—	—
	31	" " " U-Bolt (Train Line)	1	632-L-358	—	632-L-358	—	—	—	—
	32	" " " U-Bolt (Brake Cyl Line)	1	632-F-772	—	632-F-772	—	—	—	—
632-A-287	33	Oil Line Manifold Bracket (2" Oil Line)	1	632-A-1086	Plate: Mat ord in P.D	632-A-1086	—	—	—	—
	34	Train Line Pipe Clamp (On Bumper)	1	632-D-416	—	632-D-416	—	—	—	—
	35									
	36									
	37	Pipe Clamp (Inj. Del. To Boiler) $6\frac{1}{2}$" ~~2~~ 3		632-R-274	1-st. course		—	1274. 63-~~74~~ A	—	—
	38	" " Cap (" " ") ~~2~~ 3		632-R-274	1-st course.		—	63-~~1273~~	—	—
	39	" Clamp (" " " ") 5" ~~2~~ 1		632-A-498	3rd-Course		—	63-779	—	—
	40	" " Cap (" " " ") ~~2~~ 1		632-A-498	" "		—	63-778	—	—
	41	" Clamp (" " " " $2\frac{1}{2}$" 2		632-A-274	(Fire Box)		—	63-72	—	—
	42	" " Cap (" " " ") 2		632-A-274	(" ") 2nd. Course		—	63-~~1273~~	—	—
	43									
	44									
	45									
	46	Pipe Clamp (Air Pump Crossover)	2	632-C-948	—	—	—	63-1138	—	—
	47	" " Cap (" " ")	2	632-C-945	—	—	—	63-1120	—	—
	48	Steam Heat Pipe Clamp (On Cab Bracket)	1	632-A-1087	Mat. ord in P.D Angle	—	—	—	—	—
	49	" " " " U-Bolt (" ")	1	632-K-764	—	632-K-764	—	—	—	—
	50									
	51									
	52	Pipe Clamp (Booster Steam Firebox)	1	632-B-1078	Cut & Weld	(1st-2-Eng's only)	—	63-1270	—	—
	53	" " Cap (" " ")	1	632-D-946	—	1st-2-Eng's only	—	63—1128	—	—
	54	" " (Booster Steam 1st Course)	1	632-A-735	—	1st-2-Eng's only	—	63-911	—	—
	55	" " U-Bolt (" " " ")	1	632-Y-486	1st. 2-Engs only	632-Y-486	—	—	—	—
	56	" " Bracket (" " " "	1	632-A-1084	1st-2-Eng's only	632-A-1084	—	—	—	—
	57	" " (Booster Steam 2nd Course	1	632-A-735	1st-2-Eng's only		—	63-911	—	—
	58	" " U-Bolt (" " ")	1	632-Y-486	1st. 2-Engs only	632-Y-486	—	—	—	—
	59	" " Bracket (" " ")	1	632-B-1084	1st-2-Eng's only	632-B-1084	—	—	—	—
	60									
	61									

(Group 63 Continued)

"OVER"

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 63—Pipe Fittings (Cont.)								
	1	BOOSTER PIPE CLAMP BRACKET (LS)	1	632-F-1009	PLATE MAT. ORD. IN P.D	632-F-1009.	—	(1ST 2 ENG'S ONLY)		—
	2	" " " BLOCK (LS)	1	632-E-298	—	—	63-1159	"	"	—
	3	" " " (LS)	1	632-F-941	—	632-F-941	—	"	"	—
	4	" " " BRKT LINER (LS)	1	648-A-60	1/4"x9"x10" PLATE MAT. ORD IN P.D.	—	—	"	"	—
	5									
	6	PIPE CLAMP - ON BACK HEAD	1	632-A-1088	OIL MANIFOLD PIPES.	632-A-1088	—	—	—	—
	7	" " CAP	1	632-B-1088	"	632-B-1088	—	—	—	—
	8	" " - (ON FIRE PAN)	1	632-A-1081	—	632-A-1081	—	—	—	—
	9	" " CAP	1	632-B-1081	—	632-B-1081	—	—	—	—
	10	PIPE CLAMP - (ON OIL HEATER SUPPORT)	2	603-C-23	—	63-B-67	—	—	—	—
	11									
	12									
	13									
	14	CENTRIFUGAL AIR CLEANER SUPPORT (UNDER CAB-R.S.)	1	632-A-1104	—	632-A-1104	—	—	—	—
	15									
	16									
	17									
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	20									
	21									
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	59									
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Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 64—Piping Arrangements								
	1	Engine Piping Arrangement, ~~S.~~ (1st 2 Eng)	1 SET	640-A-113	—	—	—	—	—	—
	2	" " " ~~S.~~ (LAST 3 ENGS)	1 SET	640-B-113	—	—	—	—	—	—
	3	" " " Sections								
	4	Piping Arrangement Engine & Tender (1ST-2-ENG'S)	1-SET	648-A-60	—	—	—	—	—	—
	5	~~Brake Governor Piping~~ " " (LAST 3 ENG'S)	1-SET	648-B-60	—	—	—	—	—	—
	6	Blower Piping								
	7	Booster "								
	8	Cylinder Cock Piping	1-SET	633-A-43	—	—	—	—	—	—
	9	Dead Engine Fixture Piping								
	10	Feed Water Heater Piping								
	11	Flange Oiler Piping								
	12	Front End Brake Piping								
	13	Governor Drain "								
	14	Journal Cooling "								
	15	Oil Heater "								
	16	Power Reverse "								
	17	Sander Piping	1-SET	643-A-111	—	—	—	—	—	—
	18	Steam Gauge Piping								
	19	" Heat "								
	20	Stoker "								
	21	Smoke Consumer "								
	22	Water Gauge "								
	23	SAND PIPE CLAMP BRACKET	IR/IL	642-C-222	—	642-C-222	—	—	—	—
	24	" " " "	IR/IL	642-D-222	—	642-D-222	—	—	—	—
	25	" " " " U-BOLT	4	632-H-983	—	632-H-983	—	—	—	—
	26	" " " " " BLOCKS	8	643-A-111	—	$\frac{5}{8}$" x 1" x 2 $\frac{3}{4}$"	MACHINED TO SUIT	—	—	—
	27	" " COLLARS	4	732-A-191	STEEL	—	—	—	—	—
	28									
	29	FRANKLIN SLEEVE JOINT. (2" OIL SUPPLY)	1	642-H-209	ORD IN P.D	—	—	—	—	—
	30	" " " ($\frac{3}{4}$" OIL HEATER)	1	642-J-209	" "	—	—	—	—	—
	31	" " " ELBOW	1	632-A-287	(2" OIL SUPPLY)	—	63-16	—	—	—
	32	" " " "	1	632-D-1005	($\frac{3}{4}$" OIL HEATER)	—	63-1208	—	—	—
	33									
	34									
	35	**GROUP 65—PISTON & ROD**								
	36	Piston (FURNISH RIVETS)	2	653-A-85	—	—	—	65-632	—	—
	37	" Follower	—							
	38	" Bull Ring	2	653-A-85	CAST. ORD. IN P.D.	—	H.S. GUN IRON 65-627	—	—	—
	39	" Tee Ring	—							
	40	" Snap Ring	2-SET	653-A-85	H.S. DUPLEX. ORD. IN P.D	—	—	—	—	—
	41	" Plug								
	42	" Rod	2	652-~~M~~C-161	MAT. ORD. IN P.D	652-~~M~~C-161	"C"- FOR FUTURE.	—	—	—
	43	" " ~~Extension~~ NUTS	2	" "	STEEL	6 $\frac{1}{8}$ 1" ACROSS FLATS HEX. X 2 $\frac{3}{4}$" THICK FIN. SIZES	—	—	—	—
	44	" " " Guide	—							
	45	" " " Cover	—							
	46	" " Slide Back	—							
	47	" Spring	—							
	48	PISTON ROD MARKING	1-SET	652-A-7	—	—	—	—	—	—
	49									
	50									
	51	Piston Rod Packing	2-SET	U.S. MET. PKG CO. PT # 360246.	ORD. IN P.D	—	—	—	—	—
	52	" " " Gland	2	" "	" "	—	—	—	—	—
	53	" " " Babbit Ring	—							
	54	" " " " "	—							
	55	" " " Split Ring	—							
	56	" " " Spring	—							
	57	" " " " Case	—							
	58	" " " Swab Cup	2	U.S. MET. PKG CO. PT 360246	ORD. IN P.D	—	—	—	—	—
	59	PISTON ROD OIL CUP BRACKET	2	652-A-163	—	652-A-163	—	—	—	—
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 66—PLUGS								
	1	Plugs	—							
	2	Arch Tube Plugs	—							
	3	" " "	—							
	4	Cylinder Bushing Plug	4	662-C-127	STICK BRASS	—	—	—	—	—
	5	Ecc. Strap Plug	—							
	6	Filling "	—							
	7	Fusible "	—							
	8	Indicator "	4	662-A-4	—	—	—	—	66-95	—
	9	Peep Hole "	4	662-A-130	—	—	—	—	66-259	—
	10	Mud Drum "	—							
	11	Smoke Box "	1	662A162	—	—	—	—	66-280	—
	12	Test "	—							
	13	Waist "	—							
	14	" "	—							
	15	" " Flange	—							
	16	" " "	—							
	17	Washout " FOR FIRST 2 BOILERS ONLY	24	HURON SR 34 R THREADS. STYLE "A"	ORD. IN P.D.	—	—	—	—	—
	18	" SYPHON " FOR FIRST 2 BOILERS "	2	HURON SR 79 R THREADS. STYLE "A"	" " "	—	—	—	—	—
	19	~~Hand Hole~~ WASHOUT " FOR LAST 3 BOILERS. "	22	"HURON" SR-34-R THREADS STYLE "A"	" " "	—	—	—	—	—
	20	TURRET PLUGS (LAST 3 ENG. ONLY)	2	3/4" PIPE PLUG	STICK BRASS	—	—	—	—	—
	21	Pyrometer Plug	1	662 A 38	—	—	—	—	66-77	—
	22	VALVE CHAMBER BUSHING PLUG	4	662-D-18	STEEL	—	—	—	—	—
	23									
	24									
	25	**GROUP 68—REVERSE LEVER**								
	26	Reverse Lever "ALCO"	1	AM. LOCO. PT 683-S-14210	ORD. IN P.D	—	—	—	—	—
	27	" " Handle	—							
	28	" " Latch	—							
	29	" " " Guide	—							
	30	" " " Rod	—							
	31	" " Quadrant	—							
	32	" " " " Support	1	682-A-245	PLATE MAT ORD IN P.D	—	—	—	—	—
	33	" " " Block	—							
	34	" " Arm	—							
	35	" " Fulcrum	—							
	36	" " Foot Rest	—							
	37	" " Floor Cover	—							
	38	" " Latch Spring	—							
	39									
	40									
	41	Power Reverse ALCO - TYPE "G"	1	ALCO. PT # 683-S-53170	ORD. IN P.D	—	—	—	—	—
	42	" " Cylinder Support	1	682-A-~~243~~ 244	—	—	—	—	—	—
	43	" " " " Brace	—						68-200	—
	44	" " Screw Support	—							
	45	" " " " Filler Block	—							
	46	Screw Reverse	—							
	47									
	48									
	49									
	50									
	51									
	52									
	53									
	54	**GROUP 69—REVERSE SHAFT**								
	55	Reverse Shaft	1	693-A-52	MAT. ORD IN P.D	69-D-3	—	—	—	—
	56	" " Arm R.S	1	692-A-377	FURNISH BOSHINGS	—	—	—	69-606	—
	57	" " " L.S	1	692-A-378	" "	—	—	—	69-607	—
	58	" " "	—							
	59	" " " Counterbalance	1	692-A-47	—	—	—	—	69-329	—
	60	" " Bearing	2	692-A-380	—	—	—	—	69-608	—
	61	" " "	—							

(Group 69 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 69—Reverse Shaft (Cont.)								
	1	Reverse Shaft Bearing Cap FURNISH BOLTS	2	692-A-380	—	—	—	69-609	—	—
	2	" " " " BUSHING (4 HALVES)	2	" "	—	—	—	—	AAR HARD BRONZE 69-508	—
	3	" " Counterbal. Rod	1	692-E-14	—	69-D-5	—	—	—	—
	4	" " " Spring	2	692-A-11	ORD. IN P.D	—	—	—	—	—
	5	" " " " Seat	1	692-E-14	—	—	69-331	—	—	—
	6	" " " " Washer	1	" "	—	—	69-332	—	—	—
	7	" " " " Casing	1	692-A-13 PAT. 692-E-14 MACHINING.	—	—	69-330	—	—	—
	8	" " " Support	—							
	9	" " " ROD PIN	1	692-E-14	—	—	—	—	—	—
	10									
	11	Reach Rod (GEAR TO ARM)	1	692-A-379	—	692-A-379	—	—	—	—
	12	" " (CAB TO GEAR	1	692-D-367	MAT. ORD IN P.D	—	—	—	—	—
	13	" "	—							
	14	" "	—							
	15	" " Jaws (CAB TO GEAR)	2	692-D-367	FUR. WITH ALCO GEAR ORD IN P.D	—	—	—	—	—
	16	" " "	—							
	17	" " Guide	—							
	18	" " " Bracket	—							
	19	" " Pin (GEAR TO ARM)	1	692-A-379	—	—	—	—	—	—
	20	" " "								
	21	" " SUPPORT —	1	TO SUIT E.S	—	TO SUIT E.S	—	—	—	—
	22									
	23									
	24									
	25									
	26	**GROUP 70—ROCKER AND BOX**								
	27	Rocker	—							
	28	" Arm	—							
	29	" Box	—							
	30	" " Cap	—							
	31	" Pin	—							
	32									
	33									
	34									
	35									
	36	**GROUP 71—RUNNING BOARD**								
	37	Running Board	1-SET	716-A-51	PLATE MAT. ORD. IN P.D	—	—	—	—	—
	38	" "	—							
	39									
	40									
	41	" " Edge	1-SET	716-A-51.	MAT. ORD. IN P.D	—	—	—	—	—
	42	" " "								
	43	" " "								
	44	" " "								
	45	" " "								
	46	" " "								
	47	" " "								
	48	" " "								
	49	" " Bracket (ON FIREBOX UNDER CAB R&L)	2	712-A-268	—	712-A-268	—	—	—	—
	50	" " " (DOME COURSE AHEAD THROAT-R&L)	2	712-B-268	—	712-B-268	—	—	—	—
	51	" " " (2ND COURSE BACK OF SEAM. L.S)	1	712-C-268	—	712-C-268	—	—	—	—
	52	" " " (2ND COURSE BACK SEAM R.S)	1	712-D-268	—	712-D-268	—	—	—	—
	53	" " " (ON FIRE BOX R&L)	2	712-E-268	—	712-E-268	—	—	—	—
	54	" " " (DOME COURSE BACK OF SEAM RS)	1	712-A-269	—	712-A-269	—	—	—	—
	55	" " " (SMOKE BOX BACK R&L)	2	712-B-269	—	712-B-269	—	—	—	—
	56	" " " (SMOKE BOX-LOWER BOARDS F&B - R&L.	4	712-C-269	—	712-C-269	—	—	—	—
	57	" " " (ON Res. Support.) R&L	1R 1L	712-A-271	ANGLE	712-A-271	—	—	—	—
	58	" " " (" " LS	1	~~712-B-271~~ 712-C-271	"	~~712-B-271~~ 712-C-271	—	—	—	—
	59	" " Filler Blocks (UNDER BRACKET ON FIREBOX UNDER CAB)	2	712-A-270	—	—	—	71-71	—	—
	60	" " " " (FIREBOX R&L)	2	712-A-186	—	—	—	71-45	—	—
	61	" " " "								

(Group 71 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 71—Running Board (Cont.)								
	1	Running Board Angle Supports	—							
	2	" " " "	—							
	3	" " " "	—							
	4	" " " "	—							
	5	" " " "	—							
	6	" " " "	—							
	7	Side Sheet (L.S)	1 ~~R/IL~~	712-~~A~~B-272	PLATE MAT ORD IN P.D	—	—	—	—	—
	8	" " Angle (L.S)	1 ~~2~~-SET	712-B-273	MAT. ORD. IN P. D	—	—	—	—	—
	9	SIDE SHEET (R.S)	1	712-A-273	PLATE. MAT. 0120. IN P.D	—	—	—	—	—
	10	" " ANGLE (R.S)	1-SET	" "	MAT. ORD IN P.D	—	—	—	—	—
	11									
	12									
	13									
	14									
	15	**GROUP 72—RODS—Main & Side**								
	16	Rods—Main	1R/1L	723-A-123	MAT. ORD IN P.D.	72-A-504	—	—	—	—
	17	Front Stub	—	" "	—	—	—	—	—	—
	18	" " Strap	—							
	19	" " Key	2	723-A-123	STEEL	—	—	—	—	—
	20	" " Washer								
	21	" " Brass (FIXED)	2	722-A-421	CAST. ORD IN P.D	—	—	—	BRONZE 72-861	—
	22	" " "								
	23									
	24	Main Stub	—	723-A-123	—	—	—	—	—	—
	25	" " ~~Strap~~								
	26	" " ~~Wedge~~ KEEPER BOLT	2	723-A-123	STEEL	—	—	—	—	—
	27	" " ~~Filling~~ " " LOCK WASHER	2	" "	POSITIVE LOCK WASHER ORD. IN P.D	—	—	—	—	—
	28	" " Brass (FLOATING)	2	722-A-422	CAST. ORD IN P.D	—	—	—	BRONZE 72-862	—
	29	" " " (FIXED)	2	722-~~A~~B-420	" "	—	H.S. GUN IRON 72-860	—	—	—
	30	" " " Grooves								
	31	MAIN & SIDE ROD MARKING	1-SET	722-A-18	—	—	—	—	—	—
	32									
	33									
	34									
	35	Rods—Side—Front	1R/1L	726A-51	MAT. ORD IN P.D	72-A-505	—	—	—	—
	36	Front Stub	"	" "	—		—	—	—	—
	37	" " ~~Strap~~ KEEPER STUD	2	" "	STEEL	—	—	—	—	—
	38	" " ~~Key~~ " " LOCK WASHER	2	" "	ORD. IN. PD	—	—	—	—	—
	39	" " Filling	—							
	40	" " Brass	2	722-F-416	CAST. ORD IN P.D	—	—	—	BRONZE 72-149A	—
	41									
	42									
	43	Rods—Side—Int.	1R/1L	726A-51	MAT. ORD IN P.D	72-A-506	—	—	—	—
	44	Inter. Stub	—	" "	—	—	—	—	—	—
	45	" " ~~Strap~~ KEEPER STUD	2	" "	STEEL	—	—	—	—	—
	46	" " ~~Key~~ " " LOCK WASHER	2	" "	ORD. IN P.D	—	—	—	—	—
	47	" " Filling	—							
	48	" " Brass	2	722-E-416	CAST. ORD IN P.D	—	—	—	BRONZE 72-144-A	—
	49									
	50	Rods—Side—Main	—	—	MAT. ORD IN P.D	—	—	—	—	—
	51	Main Stub	—	726-A-51	—	—	—	—	—	—
	52	" " ~~Strap~~ KEEPER STUD	2	" "	STEEL	—	—	—	—	—
	53	" " ~~Key~~ " " LOCK WASHER	2	" "	ORD. IN P.D	—	—	—	—	—
	54	" " Filling	—							
	55	" " Brass	2	722-D-416	CAST. ORD IN P.D	—	—	—	BRONZE 72-147-A	—
	56									
	57									
	58									
	59									
	60									
	61									

(Group 72 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 72—Rods—Main & Side (Cont.)								
	1	Rods—Side—Back	1R/1L	726-A-51	MAT. ORD IN P.D	72-A-507	—	—	—	—
	2	Back Stub	—	"	"	—	—	—	—	—
	3	" " ~~Stud~~ KEEPER STUD	2	"	"	STEEL	—	—	—	—
	4	" " ~~Key~~ " " LOCK WASHER	2	"	"	ORD. IN. P. D	—	—	—	—
	5	" " Filling	—							
	6	" " Brass	2	722-F-416	CAST. ORD IN P.D	—	—	—	BRONZE 72-149-A	—
	7									
	8	Knuckle Pin FURNISH KEYS	4	722-A-419	MAT. ORD IN P.D.	$4\frac{17}{32}$" DIA X $6\frac{3}{16}$" LONG FIN. SIZES	—	—	—	—
	9	" " ~~Bushing~~ WASHER	4	"	PLATE $\frac{1}{4}$" X $6\frac{1}{2}$" DIA. FIN. SIZES		—	—	—	—
	10	" " Nut FURNISH COTTERS.	4	"	"	STEEL	$4\frac{5}{8}$" HEX ACROSS FLATS X $1\frac{1}{8}$" THICK FIN SIZES		—	—
	11	KNUCKLE PIN BUSHING	4	722-S-5	CAST. ORD IN. P. D	—	—	—	BRONZE 72-146	—
	12	Side Rod Grease Grooves								
	13	KNUCKLE PIN MARKING	1-SET	722-A-17	—	—	—	—	—	—
	14									
	15									
	16									
	17									
	18									
	19									
	20									
	21	**GROUP 73—SAND BOX**								
	22	Sand Box—Front (FURNISH CHAIN & BOLTS)	1	734-~~A~~ B-14	PLATE MAT ORD IN P.D	—	—	—	—	—
	23	" " —Back	—							
	24	Sand Box Base—Front	1	734-~~A~~ B-14	PLATE. MAT. ORD IN P.D	—	—	—	—	—
	25	" " " —Back	—							
	26	" "	—							
	27	" " ~~Top~~ LID RING	2	732-C-80	—	—	—	—	73-70	—
	28	" " Lid	2	732-A-16	—	—	73-94	—	—	—
	29	" " Valve	—							
	30	" " " Seat BLOCK	2	732-A-192	—	—	—	73-417A	—	—
	31	" " Arm	—							
	32	" " Rod	—							
	33	" " Shaft	—							
	34	" " Lever	—							
	35	" " ~~Rod~~ Handle GRAB	2	732-~~A~~ C-143	—	732-~~A~~ C-143	—	—	—	—
	36	" " Bracket								
	37	Air Sander LEACH - A-10	2	U.S MET. PK CO PT X-29-A.	ORD. IN P.D	—	—	—	—	—
	38	" " VALVE. (OPERATING VALVE)	1	U.S. MET. PK. CO. PT SV-152	" "	—	—	—	—	—
	39									
	40	SAND BOX FILLER WASHERS. FRONT $2\frac{1}{8}$" X $1\frac{3}{4}$"	2	532-~~C~~ E-710	—	—	53-~~778~~ 780	—	—	—
	41	" " " " CENTER " $1\frac{1}{2}$" X $1\frac{5}{8}$"	1	532-~~A~~ B-710	—	—	53-~~810~~ 73-75	—	—	—
	42	" " " " SIDES Front $2\frac{1}{4}$" X $2\frac{1}{4}$"	2	532-~~D~~ F-710	—	—	53-~~779~~ 781	—	—	—
	43	" " " " " BACK $2\frac{1}{2}$" X $2\frac{25}{32}$"	2	532-~~H~~ J-710	—	—	53-~~780~~ 782	—	—	—
	44	" " " " BACK $2\frac{1}{8}$" X $2\frac{1}{4}$"	2	532-~~F~~ E-710	—	—	53-~~781~~ 780	—	—	—
	45									
	46									
	47									
	48	**GROUP 75—SMOKE BOX**								
	49	Smoke Box Arrangement	1-SET	817-A-58	—	—	—	—	—	—
	50	Deflecting Plate	1-SET	"	"	PLATE MAT. ORD IN P.D	—	—	—	—
	51	" " Angle	1	"	"	MAT. ORD IN P.D	75-M-210	—	—	—
	52	" " Handle	8	752-A-79		FURNISH WASHER 75-A-139	—	—	—	—
	53	" " ~~Nuts~~ STUDS - X	5	812-A-152	—	812-A-152	—	—	—	—
	54	" " ANGLE	1R/1L	"	"	MAT. ORD IN P.D	75-C-232	—	—	—
	55	" " CLAMP	8	812-B-51	—	812-B-51	—	—	—	—
	56									
	57									
	58									
	59									
	60									
	61									

(Group 75 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX (Cont)								
	1	Smoke Box Netting	—							
	2	" " " Door	—							
	3	" " " Frame	—							
	4	" " " " Catch	—							
	5	SMOKE BOX COVER PLATE	1	754-A-53	PLATE MAT ORD. IN P.D	—	—	—	—	—
	6	" " " " GASKET	1	~~752-A-226~~ 752-B-226	J. M. KEARSARGE ASBESTOS ORD. IN P.D	—	—	—	—	—
	7	" " " " CLAMPS.	23	752-H-43	—	—	—	75-720	—	—
	8	" " " " "	13	752-K-43	—	—	—	75-724	—	—
	9	" " " " "	3	752-J-43	—	—	—	75-723	—	—
	10									
	11	Draft Pipe	1-SET	753-A-218	PLATE. MAT ORD IN P.D	—	—	—	—	—
	12	" " Hanger	2	"	—	75-D-46	—	—	—	—
	13	" " "	2	"	—	75-C-44	—	—	—	—
	14	" " " ~~Tee Head Brace~~	2	"	—	75-C-45	—	—	—	—
	15	" " ~~Table Plate~~ SUPPORT	1	"	—	75-A-299	—	—	—	—
	16	" " "	1	"	—	75-A-52	—	—	—	—
	17									
	18									
	19	Cinder Pocket	—							
	20	" " Cap	—							
	21	" " Clamp	—							
	22	" " Thumb Screw	—							
	23	" " Chute	—							
	24	" " " Bracket	—							
	25	" " Slide	—							
	26	" " " Guide	—							
	27	" " Wedge	—							
	28	Cleaning Hole Frame	2	752-E-6	—	—	75-224	—	—	—
	29	" " Cap	2	"	FURNISH & ATTACH CHAIN	—	75-223	—	—	—
	30	" " ~~Handle~~ EYE BOLT	2	"	—	320-5-06	—	—	—	—
	31	" " 5- HOOKS	4	"	TO SUIT	—	—	—	—	—
	32									
	33									
	34									
	35									
	36									
	37	Smoke Box Brace	~~IR~~/AL	~~752-A-227~~	—	752-A-227	—	—	—	—
	38	" " " ~~Pin~~								
	39	" " " Pad	—							
	40									
	41	Smoke Box Front	1-SET	753-A-217	PLATE. MAT. ORD. IN P.D	—	—	—	—	—
	42	" " " Door	1-SET	"	" "	—	—	—	—	—
	43	" " " Liner								
	44	" " " Hinges (TOP)	1	752-A-173	—	—	—	75-379	—	—
	45	" " " " (BOTTOM)	1	"	—	—	—	75-380	—	—
	46	" " " Lugs (TOP)	1	752-B-173	—	—	—	75-373	—	—
	47	" " " " (BOTTOM)	1	"	—	—	—	75-374	—	—
	48	" " " Buttons	—							
	49	" " " Handle	—							
	50	" " " Clamp	20	752-A-9	—	—	75-383	—	—	—
	51	" " " Crosstie	—							
	52	" " " HINGE PINS	2	752-C-173	—	752-C-173	—	—	—	—
	53									
	54	OKADEE HINGE ARR'G'T	1-SET	754-A-52	ORD. IN P.D	—	—	—	—	—
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(Group 75 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 75—SMOKE BOX (Cont.)								
	1	Smoke Stack	1	754-T-2	—	—	75-375-F	—	—	—
	2	" " Base	1	" "	—	—	75-376-D	—	—	—
	3	" "	—							
	4	" " Extension	—							
	5	" " Top	—							
	6	" " Cone	—							
	7	" " Spark Whirl	—							
	8	" " Netting	—							
	9	" " Cleaning Hole	—							
	10	" " " " Cap	—							
	11									
	12									
	13									
	14	**GROUP 76—SPRINGS**								
	15	Springs								
	16	Driving Spring—Front	2	762-F-8	ORD. IN P.D COMPLETE WITH CLIPS	—	—	—	—	—
	17	" " —Int.	2	" "	" "	—	—	—	—	—
	18	" " —Main	2	" "	" "	—	—	—	—	—
	19	" " —Back	2	" "	" "	—	—	—	—	—
	20	" "	—							
	21	" "	—							
	22	Engine Truck Spring	4	762-D-66	ORD. IN. P. D	—	—	—	—	—
	23	" " "	—							
	24	Trailer Spring	2	762-D-63	ORD. IN P. D. COMPLETE WITH CLIPS	—	—	—	—	—
	25	Draft "	—							
	26	Coupler "	—							
	27	Buffer "	—							
	28	Centering "	—							
	29									
	30									
	31									
	32	**GROUP 77—SPRING RIGGING**								
	33	Spring Rigging	1-SET	776-A-81	FURNISH BUSHINGS KEYS. TAPER PINS ETC	—	—	—	—	—
	34	Driving Box Saddle	8	772-A-5	—	—	—	77-66	—	—
	35	EQUALIZER " SIDE (FRONT)	2	776-A-81	MAT. ORD. IN P.D	77-A-23	—	—	—	—
	36	Equalizer—Front FURNISH BUSHINGS	1	772-A-413	MAT. ORD IN P.D	772-A-413	—	—	—	—
	37	" —Side (BACK)	2	776-A-81	" "	77-A-542	—	—	—	—
	38	" —Back FURNISH BUSHINGS	2	772-C-264	MAT. ORD IN P.D	772-C-264	—	—	—	—
	39	" —Cross FRONT	1	776-A-81	" "	77-A-11	—	—	—	—
	40	" Fulcrum—Cylinder	1	772-A-414	FURNISH BUSHINGS	—	—	77-461	—	—
	41	" CROSS (BACK)	1	776-A-81	MAT. ORD. IN P.D	77-A-9	—	—	—	—
	42	" CROSS HANGER (FRONT)	1	776-A-81	MAT. ORD IN P.D	77-A-17	—	—	—	—
	43	" " " ~~Trailer~~ " TOP (")	2	772-B-8	" "	77-B-13	—	—	—	—
	44	" ~~Link~~ CROSS HANGER (BACK)	1R/1L	776-A-81	" "	77-K-21	—	—	—	—
	45	" ~~Safety Strap~~ " " TOP (BACK)	2	772-B-8	" "	77-B-13	—	—	—	—
	46	" HANGER (TRAILER) (F)	1R/1L	776-A-81	" "	77-F-180	—	—	—	—
	47	Spring Fulcrum	—							
	48	" Gib TRAILER	4	772-J-137	—	—	—	77-143	—	—
	49	" " DRIVING SPRINGS	16	776-A-81	—	77-A-15	—	—	—	—
	50	" "	—							
	51	" Guide	—							
	52	" Hanger TRAILER (B)	2	772-M-247	MAT. ORD. IN P.D	772-M-247	—	—	—	—
	53	" " TOP HANGER-"A"	2	776-A-81	" "	77-A-14	—	—	—	—
	54	" " " " "B"	6	" "	" "	77-A-14	—	—	—	—
	55	" " " " "C"	4	" "	" "	77-A-14	—	—	—	—
	56	" "	—							
	57	" "	—							
	58	" "	—							
	59	" " Block	—							
	60									
	61									

(Group 77 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 77—Spring Rigging (Cont.)								
	1	Spring Hanger Link BOTTOM (HANGER "A")	4	776-A-81	MAT. ORD. IN P.D.	77-D-275	—	—	—	—
	2	" " " " (" "B")	8	"	"	77-D-275	—	—	—	—
	3	" " " " (" "B")	4	"	"	77-C-275	—	—	—	—
	4	" " " " (" "C")	4	"	"	77-C-275	—	—	—	—
	5	" ~~Roller~~ " " (" "C")	4	"	"	77-D-275	—	—	—	—
	6	" Seat	4	772-A-7	FURNISH BUSHING	—	77-69	—	—	—
	7	" "	—							
	8	" "	—							
	9	" HANGER PINS. (HANGER "A")	2	776-A-81	—	77-A-26	—	—	—	—
	10	" " " (" "A")	2	"	"	77-B-28	—	—	—	—
	11	" " " (" "B")	12	"	"	77-B-28	—	—	—	—
	12	" " " (" "C")	4	"	"	77-B-28	—	—	—	—
	13	" " " (" "C")	4	"	"	77-M-24	—	—	—	—
	14	TRAILER SPRING HANGER PIN. (BACK)	2	"	"	77-H-27	—	—	—	—
	15	" EQUALIZER PIN	2	"	"	77-E-83	—	—	—	—
	16	FRONT EQUALIZER PIN	1	"	"	77-A-29	—	—	—	—
	17									
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	39	**GR. 78—Stm. Gauge, Saf. Val. & Tur.**								
	40	Steam Gauge ASHTON - 6 3/4" - 52 - DIA.	1	ASHTON PT G9-B.	ORD IN P.D	—	—	—	—	—
	41	" Turret	1	784-A-1	—	—	—	78-55	—	—
	42	" " Valve	1	783-A-1	—	—	—	—	78-58	—
	43	" " " Gland TOP	1/1	"	"	—	—	—	STICK BRASS	—
	44	" " " Neck BOTTOM	1	783-A-1	—	—	—	—	STICK BRASS	—
	45	" " " Nut	1	"	"	—	—	—	78-57	—
	46	" " " Handle	1	263A1	—	—	—	26-65	78-56	—
	47	" " Joint Ring	2	782-A-8	—	—	—	—	—	—
	48	" " VALVE STEM	1	783-A-1	~~STEEL~~	—	—	—	78-60	—
	49	" " PIPE ELBOW 3"	1	782-J-90	WELDED	—	—	—	~~STICK BRASS~~	—
	50	" " " " 3"	1	782-N-90	"	—	—	—	—	—
	51	STEAM TURRET DRILLING	1-SET	783-M-26	(LAST 3-ENG'S ONLY)	—	—	—	—	—
	52	" " "	1-SET	783-L-26	(1ST 2 ENG'S ONLY)	—	—	—	—	—
	53									
	54									
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(Group 78 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 78—Stm. Gauge, Saf. Val. & Tur. (Ct.)								
	1	Steam Turret Casing	1-SET	784-A-30	PLATE. MAT ORD IN P.D	—	—	—	—	—
	2	" " " Hinges	6	" "	ORD. IN P.D 4" NARROW BUTT	—	—	—	—	—
	3	" " " Hasp	4	" "	ORD IN. P. D. 6" COMERCIAL HASPS	—	—	—	—	—
	4	" " " SUPPORT	1	" "	—	78-A-55	—	—	—	—
	5	SAFETY VALVE (OPEN) 281L ASHTON 3"	1	ASHTON PT # C-33404	ORD. IN. P. D	SET AT 246 LBS	—	—	—	—
	6	SAFETY VALVE (MUFFLED 301L " 3"	1	ASHTON PT # 28307	" " "	SET AT 243 LBS	—	—	—	—
	7	Safety Valve (MUFFLED 301L " 3"	1	ASHTON PT # 28307.	" " "	SET AT 240 LBS	—	—	—	—
	8	" " Extension	3	782-A-196	—	—	—	—	78-379	—
	9	" " Turret	—							
	10	" " " Bushing	—							
	11	" " " Casing	1-SET	782-A-243	PLATE. MAT ORD. IN P.D	—	—	—	—	—
	12	" " " " ~~Supports~~ ANGLE	1	" "	MAT. ORD. IN P.D	—	—	—	—	—
	13	STEAM TURRET CASING SUPPORT	2	784-A-30	—	78-A-56	—	—	—	—
	14	" " " "	IR/IL	" "	MAT. ORD IN P.D	78-A-53	—	—	—	—
	15	" " " "	1	" "	" " "	78-A-54	—	—	—	—
	16	**GROUP 79—STEAM PIPES**								
	17	Steam Pipes	—							
	18	Steam Pipe—Right	1	793-A-121	—	—	—	79-989	—	—
	19	" " —Left	1	" "	—	—	—	79-990	—	—
	20	" "	—							
	21	" "	—							
	22	" "	—							
	23	" "	—							
	24	" " Joint Ring (BETWEEN CYL & STEAM PIPE)	2	792-Y-109	—	—	79-932	—	—	—
	25	" " " " BETWEEN STEAM PIPE & HEADER	2	792-X-109	—	—	79-932	—	—	—
	26	" " " "	—							
	27	" " " "	—							
	28	" " Tee Head	—							
	29	" " Casing	2	793-A-122	PLATE. MAT ORD. IN P.D	—	—	—	—	—
	30	" " " RINGS	2	792-A-146	—	792A-146	—	—	—	—
	31	" " " Clamp	4	572-A-112	—	572-A-112	—	—	—	—
	32	" " Supports	—							
	33	" " "	—							
	34	" " " Strap	—							
	35	" " " " U-Bolt	—							
	36	" " Slip Joint Casing	—							
	37	" " " " Sleeve	—							
	38	" " " " Packing Rings	4	653-T-5005	—	—	65-13	—	—	—
	39									
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	45	**GROUP 80—STOKER**								
	46									
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(Group 80 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		~~GROUP 30 STOKER~~ (Cont.)								
	1	GROUP # 81								
	2	SUPERHEATER HEADER SUPPORT	2	812-A-162	PLATE. MAT ORD IN P.D	81-U-28	—	—	—	—
	3	" " " WASHERS	4	" "	3/16" x 1 3/4" DIA	—	—	—	—	—
	4	" " " STUDS	4	" "	STEEL	—	—	—	—	—
	5	SUPERHEATER UNIT SHIELD	1-SET	812-A-163	PLATE MAT. ORD IN P.D	—	—	—	—	—
	6	" " " KEY STUDS	4	812-A-152	—	812-A-152	—	—	—	—
	7	SUPERHEATER THROTTLE HEADER	1	813-A-63	CASTING ORD. IN P.D	—	—	—	—	—
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Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 83—TANK, ENGINE								
	1	Tank								
	2	" Material Bill								
	3	" Angle Iron								
	4	" Lifter								
	5	" Block								
	6	" "								
	7	" Wedge								
	8	" "								
	9	Tank Bearer								
	10	" "								
	11	Tank Funnel								
	12	" " Screen								
	13	" " Lid								
	14	" " Hinge								
	15	" " Handle								
	16	Tank Hand Hole								
	17	" " " Dog								
	18									
	19									
	20	Tank Equalizing Pipe	—							
	21	" " " Flange	—							
	22									
	23									
	24									
	25	Coa Bunk	—							
	26	" " Angle	—							
	27	" Gate	—							
	28	" " Latch	—							
	29	" " Handle	—							
	30	" Rack	—							
	31	THROTTLE ROD PLUG (REAR SECTION)	1	913-E-137	—	—	1 5/16" DIA x 7 1/4" FIN SIZES	—	—	—
	32	" " " (" ")	1	"	"	—	1 5/16" DIA x 12 1/2" " "	—	—	—
	33	" " " (FRONT SECTION)	1	913-F-137	—	—	1 5/16" " x 18 1/4" " "	—	—	—
	34	~~GROUP 91—Throttle & Dry Pipe~~ (" ")	1	"	"	—	1 5/16" " x 12 1/2" " "	—	—	—
	35	Throttle Valve Arrangement	1-SET	AMERICAN.	ORD. IN P.D	—	—	—	—	—
	36	Throttle Valve	1-SET	"	"	—	—	—	—	—
	37	" " Stem	—							
	38	" " " Casing	—							
	39	" " " Lever	—							
	40	" " " " Rod	—							
	41	" " " " " Jaw	—							
	42	" " " " Fulcrum	—							
	43	" COMPENSATING ~~Bell~~ LEVER SUPPORT FILLER WASHERS	4	732-B-10	1 1/2" HIGH	—	73-75	—	—	—
	44	" " Crank								
	45	" ~~Bell~~ COMPENSATING LEVER ARM	1	912-A-596	FURNISH BUSHINGS	91-A-236	—	—	—	—
	46	" " ~~Ring~~ " " "	1	"	" FURNISH BUSHINGS	91-B-236	—	—	—	—
	47	" " ~~Yoke~~ " " SHAFT	1	"	" HIGH CARBON STEEL	—	—	—	—	—
	48	Throttle Stuffing Box	1	912-C-577	—	—	—	91-831-B	—	—
	49	" " " Gland	1	"	"	—	91-737	—	—	—
	50	" " " " PACKING	1-SET	"	" 7/8" ROPE ASBESTOS PACKING	ORD. IN P.D	—	—	—	—
	51	" COMPENSATING ~~Ring~~ LEVER SUPPORT	1	913-B-140	—	—	—	91-849	—	—
	52	" ~~Shaft~~ COMPENSATING LEVER SUPPORT CAP	1	913-B-140	—	—	—	91-843	—	—
	53	" ~~SHAFT~~ Arm	1	912-B-507	—	—	—	91-799	—	—
	54	" ROD - REAR	1	913-E-137	MAT. ORD IN P.D	—	—	—	—	—
	55	" Rod FRONT	1	913-F-137	" " "	—	—	—	—	—
	56	" " Crosshead	1	913-E-137	COLD ROLLED STEEL ORD IN P.D	—	—	—	—	—
	57	" " Jaw	2	912-A-586	—	—	—	91-725	—	—
	58	" " Pin	2	"	" STEEL	—	—	—	—	—
	59	" " Support								
	60	" " JAW	1	912-B-586	—	—	—	91-725	—	—
	61	" " " PIN	1	"	" STEEL	—	—	—	—	—

(Group 91 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 91—Throt. & Dry Pipes (Cont.)								
	1	THROTTLE ROD {SUPPORT BRACKET (BACK FIREBOX)	1	912-A-597	FURNISH WASHERS & STUDS- 912-A-597					
	2	" " SUPPORT (" ")	1	912-B-580			91-836			
	3	" " " CAP (" ")	1	" "			91-835			
	4	" " SUPPORT FILLER BLOCKS	2	732-J-10	2½"		73-97			
	5									
	6	THROTTLE LEVER HANDLE STUD	1	913-A-144	FIN ALL OVER					
	7	THROTTLE LEVER FULCRUM PIN (TOP OF LEVER)	1	912-A-415	STEEL					
	8	THROTTLE LEVER	1	912-E-407	FURNISH BUSHINGS	912-E-407				
	9	Throttle Lever ARR'G'T	1-SET	913-A-144	FURNISH BOLTS ETC					
	10	" " Handle	1	912-A-408					91-740	
	11	" " Latch GUIDE	1	912-A-409				91-78		
	12	" " " Spring	1	913-A-144	ORD. IN P.D					
	13	" " " ~~Guide~~ LATCH	1	912-C-407	C.R. STEEL	912-C-407				
	14	" " " ~~ROD~~ Rod LINK BOLTS.	2	912-B-415	STEEL					
	15	" " Quadrant	1	912-A-414		912-A-414				
	16	" " Support BRACKET	1	913-A-145				91-850		
	17	" " Fulcrum	1	913-A-99	FURNISH BUSHINGS.		91-743			
	18	" " ~~Stud~~ HANDLE PIN	1	912-C-411	STEEL					
	19	" " Link (ROD LINK)	2	912-K-412		912-K-412				
	20	" " STOP	1	912-E-411	STEEL					
	21	" " LINK (LATCH ROD)	1	912-D-411		912-D-411				
	22	" " " STUD PINS	2	912-B-411	STEEL					
	23	Dry Pipe	1	912-D-456	MAT. ORD IN P.D					
	24	" " Elbow (REAR)	1	913-C-123			91-802-B			
	25	" " Front End	1	912-D-457				91-607		
	26	" "	—							
	27	" " Sleeve REAR	1	912-D-457				91-608-A		
	28	" " Support	1	912-D-435	FURNISH BOLTS.	91-E-227				
	29	" " ~~Yoke~~ CLAMP BOLT APPLICATION	1-SET	912-A-458						
	30	" " " ~~Key~~ " "	3	912-A-460	FURNISH NUTS WASHERS & KEYS					
	31	" " Clamp	1	912-A-459				91-763		
	32	" " ~~Joint~~ " Ring	2-HALVES	912-B-459			91-764			
	33	" " " BOLT WASHERS	3	912-C-459	FIN. SIZES 2¼" DIA X ½" THICK					
	34	" " ELBOW COLLAR BOLT	2	912-A-513	FURNISH NUTS & WASHERS					
	35	" " " SUPPORT	2	912-B-517	MAT. ORD IN P.D.	91-A-228				
	36	" " JOINT RING (BET. DRY PIPE & STAND PIPE)	1	792-D-112			79-927			
	37	" " JOINT RING (BET. HEADER & DRY PIPE)	1	792-E-112			79-927			
	38	" " SUPPORT CLAMP	1	912-D-435		91-F-230				
	39	THROTTLE ROD SUPPORT BRACKET (FRONT 1ST COURSE)	1	912-B-597	FURNISH WASHERS & STUDS	912-B-597				
	40	" " " (" ")	1	912-A-580			91-834			
	41	" " " CAP (" ")	1	" "			91-833			
	42	" " " FILLERS (" ")	~~2~~	~~732-M-10~~ C	~~2⅜ 1⅝~~ 2⅜ 1⅝		~~73-98~~ 73-96			
	43									
	44	GROUP 92—TOOLS EQUIPMENT	1-SET	922-A-273	ORD. IN. P.D					
	45	Broom	—							
	46	~~Coal~~ Pick CAR REPLACER INSIDE LIMA #4	1	923-A-5000				92-9		
	47	" ~~Scoop~~ " " OUTSIDE LIMA #4	1	923-A-5001				92-10		
	48	Crosshead Block	—							
	49	Chisel—Cape	1	922-F-130		922-F-130				
	50	" —Flat	1	922-A-130		922-A-130				
	51	Fire Rake	—							
	52	Flag—Green	—							
	53	" —Red	—							
	54	" —White	—							
	55	Hard Hammer (Machinists) STOCK	1	STANDARD	ORD. IN P.D					
	56	Lantern—White Hand	—							
	57	" —Red "	—							
	58	Main Pin Blocks	—							
	59	SOFT HAMMER 2¾# COPPER	1	922-A-137	FURNISH HANDLE					
	60	WRENCHES	1-SET	922-T-12	ORD IN P.D					
	61									

(Group 92 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 92—TOOLS (Cont.)								
	1	Oil Can—Long Spout Oiler STOCK	1	STANDARD	PUR. GEDIN PD	—	—	—	—	—
	2	" " —Engine Oil 2-GALLON - STOCK	1	"	" " " "	—	—	—	—	—
	3	" " —Valve " 2-QUART. STOCK	1	"	" " " "	—	—	—	—	—
	4	" " —Signal "	—							
	5	" " —Kerosene Oil	—							
	6	Packing Hook	1	922-B-136	—	92-A-19	—	—	—	—
	7	" ~~Spoon~~ SPADE	1	922-A-136	—	92-A-20	—	—	—	—
	8	Pinch Bar	—							
	9	Jackscrews	2	922-A-10	—	—	—	—	—	—
	10	~~Tallow Pot~~ SAND FUNNEL	1	520-D-334	ORD. IN P.D	—	—	—	—	—
	11	~~Torch~~ SAND SCOOP	1	922-A-284 ~~520-D-335~~ EPD 8/5/37	" "	—	—	—	—	—
	12	Torpedoes	—							
	13	Valve Stem Block	—							
	14	Waste	—							
	15	Wrench—~~Alligator~~ CRANK PIN & CROSSHEAD PIN NUTS	1	922-N-126	—	922-N-126	—	—	—	—
	16	" —Monkey 12" STOCK	1	STANDARD	ORD. IN P.D	—	—	—	—	—
	17	Wrecking Frogs								
	18	JACK SCREW BASE	2	922-A-10	—	—	—	92-14	—	—
	19	" " TOP	2	" "	—	—	—	92-13	—	—
	20	" "	2	" "	—	92-A-4	—	—	—	—
	21	SUPERHEATER UNIT BOLT WRENCH	1	922-C-122	—	922-C-122	—	—	—	—
	22	**GROUP 94—Valves, Distribution**								
	23	Piston Valve	2	943-A-66	ORD. IN P.D COMPLETE	—	—	—	—	—
	24	" " Follower	—							
	25	" " T-Ring	—							
	26	" " Snap Ring	—							
	27	" " Body	—							
	28									
	29	Slide Valve	—							
	30	" " Plate	—							
	31	" " Packing Strip	—							
	32	" " " "	—							
	33	" " " Spring	—							
	34	" " " "	—							
	35									
	36									
	37	Valve Rod	2	~~943-A-65~~	MAT. ORD. IN P.D.	~~94-B-5~~	—	—	—	—
	38	" " Key	2	943-A-65	CARBON VANADIUM STEEL	94-B-4	—	—	—	—
	39	" " Knuckle	—							
	40	" " Pin	—							
	41	" " Crosshead	2	943-A-65	MAT. ORD IN P.D.	943-A-65	—	—	—	—
	42	" " " BUSHINGS	4	" "	STEEL CASEHARDENED	—	—	—	—	—
	43									
	44	Valve Stem FURNISH NUTS & DOWELS	2	942-B-215	MAT. ORD. IN P.D	942-B-215	—	—	—	—
	45	" " Bushing	—							
	46	" " Guide	—							
	47	" " Clamp	—							
	48	Valve Yoke	—							
	49									
	50									
	51									
	52	Valve Stem Packing	2-SET	U.S. MET. PK CO 360247	ORD. IN P.D	—	—	—	—	—
	53	" " " Gland	2	" " " "		—	—	—	—	—
	54	" " " Babbit Ring	—							
	55	" " " " "	—							
	56	" " " Split Ring	—							
	57	" " " Spring	—							
	58	" " " " Case	—							
	59	" " " Swab Cup	2	U.S. MET. PK & CO PT-360247	ORD. IN P.D	—	—	—	—	—
	60									
	61									

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 95—WHEELS								
	1	Driving Wheel Center No. 1 FRONT	2	953-A-257				95-~~317-C~~ 375-B		
	2	" " " No. 2 INTER	2	953-B-257				95-~~317-D~~ 375-C		
	3	" " " No. 3 MAIN	2	953-A-256				95-312-B		
	4	" " " No. 4 BACK	2	953-C-257				95-~~317E~~ 375-D		
	5	" " " No. 5								
	6	" " Hub Liner								
	7	" " Tire—Flanged	8	952-A-201	MAT. ORD IN P.D					
	8	" " ~~Plain~~ (ORDERING)	—	95-MO-120	" "					
	9	" " " Ret. Ring	—							
	10	Wheel Pressed on Axle (Tons)	—	LIMA. STD						
	11	CRISTMAN DRIVING WHEEL HUB LINER (MAIN)	2	952-A-203			95-518			
	12	" " " " " (F1&B)	6	952-B-203			95-519			
	13	Trailing Wheel Center	2	953-E-7				95-110		
	14	" " Hub Liner	2	952-~~B~~C-6					BRONZE 95-117	
	15	" " Tire	2	952-B-201	MAT. ORD IN P.D					
	16	" " ~~Ret. Ring~~ HUB LINER SCREWS	16	953-E-7	STICK BRASS					
	17	Wheel Pressed on Axle (Tons)	—	LIMA-STD						
	18	TRAILER TRUCK TIRE (ORDERING)	—	95-MO-154	MAT. ORD IN P.D					
	19	Wheel—Engine Truck	2	952-A-202	ROLLED STEEL ORD. IN P.D					
	20	" —Pressed on Axle (Tons)	—	LIMA STD						
	21	**GROUP 96—WHISTLE**								
	22	Whistle NATHAN	1	NATHAN MFG Co's CARD NO. 1658. TYPE 963 A1070	ORD. IN P.D					
	23	Whistle Bell	—							
	24	" Valve	—							
	25	" Gland	—							
	26	" Nut	—							
	27	" Sleeve	—							
	28	" Monkey Tail	1	962-A-194		962-A-194				
	29	" Lever	1	962-B-185		962-B-185				
	30	" " Fulcrum	—							
	31	" Arm	1	962-B-195		~~962-B-195~~	96-48			
	32	" Shaft	1	962-D-195	COLD ROLLED STEEL					
	33	" " Bearing	2	962-A-195		96-A-125				
	34	" RIGGING	1-SET	962-D-195	FURNISH PINS ETC					
	35	" Rod & JAWS	1	962-C-195	FURNISH $\frac{3}{8}$" PIPE WELD TO JAWS	96-A-1				
	36	" Rope Handle (ATTACH TO LEVER WITH ROPE)	1	WOOD	FURNISH ROPE					
	37	" ~~Rod~~ Eye SPRING EYE BOLT	1	962-B-168		962-B-168				
	38	" ~~Handle~~ ROD SPRING	1	962-A-167	ORD. IN P.D					
	39	" Sheave	—							
	40	" " Box	—							
	41	" Elbow	1	962-C-39					96-97	
	42	" Extension	—							
	43									
	44	ENGINE TRUCK WHEEL MARKING	1-SET	952-A-12						
	45	DRIVING WHEEL MARKING	1-SET	952-A-11						
	46	TIRE MARKING	1-SET	952-A-10						
	47	DRIVING WHEEL HUB LINER SCREWS (M)	16	952-A-203	STICK BRASS					
	48	" " " " " (F1&B)	48	952-B-203	" "					
	49									
	50	WHISTLE BRACE (ATTACH TO DOME CASING)	1	TO SUIT E.S		TO SUIT E.S				
	51									
	52									
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Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GR. 97—Prelim. Designs & Proposi'n								
	1									
	2									
	3									
	4	**GR. 98—Clear. & Wheel Base Diag'm**	1	982-A-60	—	—	—	—	—	—
	5									
	6									
	7									
	8	**GROUP 99—MISCELLANEOUS**								
P	9	Billet List	1-SET	992-A-324	ORD. IN P.D	—	—	—	—	—
	10	Booster								
	11	Booster King Pin Arrangement	—							
	12	" " " Ball Seat	—							
	13	" " "	—							
	14	" " " Washer	—							
	15	" " " Spring	—							
	16	BOOSTER THROTTLE VALVE BUSHING	~~4~~ 3	243-A-2	STEEL	1-ST. 2-ENG'S ONLY	—	—	—	—
	17	" " " "	~~1~~	~~243-A-2~~	"	~~1-ST-2-ENG'S ONLY~~	—	—	—	—
	18	Booster Throttle								
	19	" " Support (FURNISH STUDS & ETC)	1	243-A-2	PLATE. MAT. ORD IN P.D	1ST 2-ENG'S ONLY	—	—	—	—
	20	" " " Brace	1	"	"	24-B-1 1ST 2-ENG'S ONLY.	—	—	—	—
	21	" " VALVE DRILLING	1-SET	242-A-9	THROTTLE VALVE ORD IN P.D.	SLOTTED 1ST-2-ENG'S ONLY. BY L.L.W.	—	—	—	—
	22	Booster Pilot Valve ~~Bracket~~ OPERATING LATCH ARR'G'T	1-SET	243-A-3	FURNISH PINS.	1-ST-2-ENG'S ONLY	—	—	—	—
	23	" Timing Reservoir Bracket SUPPORT	~~2~~	~~992-B-126~~	FURNISH NUTS	~~992-B-126~~ } ON TENDER	—	—	—	—
	24	" " " " " BLOCKS	~~2~~	~~192-D-29~~	WOOD -	— }	—	—	—	—
	25									
P	26	Booster Live Steam Elbow (1ST 2-ENG'S ONLY)	1	632-A-1083	—	—	—	—	63-879-B	—
	27	" " " " Joint Ring	—	see page 37- Item 23						
	28	" " " " "	—							
	29	" " " "Y"	—							
	30	" " " Flanges								
	31	BOOSTER FLEXIBLE HOSE SPACER	1	992-A-233	OAK BLOCK COMPLETE	—	—	—	—	—
	32	BOOSTER PILOT VALVE TRIGGER	1	992-C-197	FOR. RIVET	992-C-197	—	—	—	—
	33	" " " OPER. LATCH	1	992-C-203	—	—	—	99-57	—	—
	34	" " " SUPPORT	1	242-A-10	PLATE. MAT. ORD IN P.D	242-A-10	—	—	—	—
	35	" " " TRIGGER CATCH	1	243-A-3	—	99-A-47	—	—	—	—
	36	Booster Live Steam Joint Rings								
	37	BOOSTER GAUGE FITTING AT GAUGE	1	632-R-709	STICK BRASS	—	—	—	—	—
	38	" " " " " NUT	1	632-B-709	" "	—	—	—	—	—
	39	" " " " " SWIVEL	1	"	" BRAZ. METAL	—	—	—	—	—
	40	" " FITTING	1	632-M-709	STICK BRASS	—	—	—	—	—
	41	" " NUT	1	632-B-709	STICK BRASS	—	—	—	—	—
	42	" " SWIVEL	1	"	" BRAZ METAL	—	—	—	—	—
	43	Booster Live Steam Choke (Prelim. Valve Line) 9" 16 CHOKE	1	632-K-970	STICK BRASS	—	—	—	—	—
	44	" " " " (Lubricator) 1/16 CHOKE	1	632-M-709	STICK BRASS	—	—	—	—	—
	45	" " " " Swivel	1	632-C-709	BRAZ. METAL	—	—	—	—	—
	46	" " " " " Nut	1	"	" STICK BRASS	—	—	—	—	—
	47	" " " " (Steam Gauge Line) 1" 16 CHOKE	1	632-R-692	" "	—	—	—	—	—
	48	" " " " Swivel	2	632-J-692	BRAZING METAL	—	—	—	—	—
	49	" " " " " Nut	2	"	" STICK BRASS	—	—	—	—	—
	50	" " " " (At Steam Gauge)	~~1~~	~~632-P-692~~	~~" "~~	—	—	—	—	—
	51	Booster Exhaust Pipe Elbow	—							
	52	" " " Coupling	—							
	53	" " " " Flange	—							
	54	" " " " Joint Ring	—							
	55	" " " " Sleeve	—							
	56	" " " " "	—							
	57	" " " " " Flange	—							
	58	BOOSTER AIR LINE MANIFOLD BRACKET	1	242-A-11	MAT. ORD IN P.D	242-A-11	(1-ST. 2-ENG'S ONLY.)	—	—	—
	59	BOOSTER PRELIMINARY VALVE BRACKET	1	992-L-269	MAT. ORD. IN P.D.	992-L-269	(1-ST.- 2-ENG'S ONLY)	—	—	—
	60									
	61	BOOSTER PILOT VALVE SUPPORT BRACE TO (REVERSE LEVER SUPPORT)	1	TO SUIT ERECT. SHOP	—	—	—	—	—	—

1-ST - 2-ENG'S ONLY

— 1ST 2 ENG'S ONLY —

Check	Item	TITLE	No. Pcs.	DRAWING Card No.	DRAWING Construction Notes	FORGINGS Sketch No.	CASTINGS—PATTERN NUMBERS Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 99—Miscellaneous (Cont.)								
P	1	Booster Guide Bracket (1-ST 2-ENG'S ONLY)	1	242-B-7	PLATE. MAT ORD IN P.D	242-B-7	—	—	—	—
	2	" " "	—							
P	3	" " Rod (1ST-2-ENG'S ONLY)	1	242-A-12	—	242-A-12	—	—	—	—
P	4	" " " Clamp (MACHINE IN PAIRS)	2	992-A-301	1ST. 2. ENG'S ONLY	—	—	99-~~70~~ 38-A.	—	—
P	5	" " " " LOCK RING.	4	992-C-301	1ST. 2-ENG'S ONLY.	992-C-301	—	—	—	—
	6	" " " Clamp	—							
	7	" " Pin	—							
P	8	" " ROD PIN	1	242-B-12	STEEL	—	(1ST-2-ENG'S ONLY)		—	—
P	9	" " " " WASHER	1	" "	—	$\frac{1}{4}$" x 2 $\frac{3}{4}$" DIA	(" "	" " " ")	—	—
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	54	Speed Recorder Rigging								
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(Group 99 Continued)

Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 99—Miscellaneous (Cont.)								
	1									
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Check	Item	TITLE	No. Pcs.	DRAWING		FORGINGS	CASTINGS—PATTERN NUMBERS			
				Card No.	Construction Notes	Sketch No.	Cast Iron	Cast Steel	Brass	Mal. Iron
		GROUP 99—Miscellaneous (Cont.)								
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Material Specifications